

#4

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON THE DATE INDICATED BELOW.

By:

Valerie J. Benson

Date:

4/8/02

PATENT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re:	Patent Application of	:
	Jonathan S. Levkoff et al.	:
		: Attention:
		: Official Draftsman
Conf. No.:	6682	:
		:
Appln. No.:	10/020,856	:
		: Group Art Unit: 2171
Filed:	December 12, 2001	:
		:
For:	<b>METHOD AND SYSTEM FOR</b>	: Attorney Docket
	<b>ASSIMILATION, INTEGRATION AND</b>	: No. 10776-1U1
	<b>DEPLOYMENT OF ARCHITECTURAL,</b>	:
	<b>ENGINEERING AND CONSTRUCTION</b>	:
	<b>INFORMATION TECHNOLOGY</b>	:

**TRANSMITTAL OF FORMAL DRAWINGS**

In response to the Notice to File Missing Parts of Nonprovisional Application filed Under 37 CFR 1.53(b) *Filing Date Granted*, enclosed are sixty-nine (69) sheets of drawings, Figures 1 through 28, concerning the above-identified application.

Prompt review and approval of the enclosed Formal Drawings are respectfully requested.

Respectfully submitted,

**JONATHAN S. LEVKOFF et al.**

April 8, 2002  
Date

By:

Clark Jablon

**CLARK A. JABLON**

Registration No. 35,039

**AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**

One Commerce Square

2005 Market Street - Suite 2200

Philadelphia, PA 19103-7086

Telephone: (215) 965-1200

**Direct Dial: (215) 965-1293**

Facsimile: (215) 965-1210

E-Mail: [cjablon@akingump.com](mailto:cjablon@akingump.com)

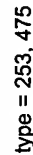
CAJ:vlb  
Enclosures



**FIG. 1**

**FIG. 1**

Micro Strand Glass Microfiber 100 Series  
Micro Strand Glass Microfiber 200 Series



**FIG. 2**

UCID

**Fig. 3A-1**

```
27 </warranty_intro>
28 <surface_area value="" measure="" tag_id="" />
29 </material_tag_id="">
30 <material_type tag_id=""> </material_type>
31 <material_description tag_id=""> </material_description>
32 <material_properties tag_id="">
33 <grade value="" tag_id="" />
34 <nominal_diameter_type value="" tag_id="" />
35 <diameter_min_val value="" tag_id="" />
36 <diameter_max_val value="" tag_id="" />
37 <diameter_measurement_unit tag_id=""> </diameter_measurement_unit>
38 </material_properties>
39 </material>
40 <specifications tag_id="">
41 <shrinkage tag_id="">
42 <shrinkage_temp value="" tag_id="" />
43 <shrinkage_temp_measurement_unit tag_id=""> </shrinkage_temp_measurement_unit>
44 <linear_shrinkage value="" tag_id="" />
45 <linear_shrinkage_measurement_unit tag_id=""> </linear_shrinkage_measurement_unit>
46 </shrinkage>
47 <thermal tag_id="">
48 <product_density value="" tag_id="" />
49 <product_density_measurement_unit tag_id=""> </product_density_measurement_unit>
50 <mean_temperature value="" tag_id="" />
51 <mean_temperature_measurement_unit tag_id=""> </mean_temperature_measurement_unit>
52 <thermal_conductivity value="" tag_id="" />
53 <thermal_conductivity_measurement_unit tag_id=""> </thermal_conductivity_measurement_unit>
54 </thermal>
55 </specifications>
56 </product>
```

Fig. 3A-2

File: F:\XML-firstcut\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

```
1 <ELEMENT category EMPTY >
2 <ATTLIST category id CDATA #REQUIRED >
3 <ATTLIST category tag_id CDATA #REQUIRED >
4
5 <ELEMENT chemical_composition ( chemical_oxide_value, chemical_oxide_nominal_weight, chemical_oxide_nominal_weight_measurement_unit ) >
6 <ATTLIST chemical_composition tag_id CDATA #REQUIRED >
7
8 <ELEMENT chemical_oxide_nominal_weight EMPTY >
9 <ATTLIST chemical_oxide_nominal_weight tag_id CDATA #REQUIRED >
10
11 <ELEMENT chemical_oxide_nominal_weight_measurement_unit EMPTY >
12 <ATTLIST chemical_oxide_nominal_weight_measurement_unit tag_id CDATA #REQUIRED >
13
14 <ELEMENT chemical_oxide_value EMPTY >
15 <ATTLIST chemical_oxide_value tag_id CDATA #REQUIRED >
16
17 <ELEMENT description ( manufacturer, category, subcategory, description_type ) >
18 <ATTLIST description tag_id CDATA #REQUIRED >
19
20 <ELEMENT description_text EMPTY >
21 <ATTLIST description_text tag_id CDATA #REQUIRED >
22
23 <ELEMENT description_type ( description_text ) >
24 <ATTLIST description_type tag_id CDATA #REQUIRED >
25 <ATTLIST description_type value CDATA #REQUIRED >
```

Fig. 3B-1

```
26
27 <ELEMENT diameter_max_val EMPTY >
28 <!ATTLIST diameter_max_val tag_id CDATA #REQUIRED >
29 <!ATTLIST diameter_max_val value CDATA #REQUIRED >
30
31 <ELEMENT diameter_measurement_unit EMPTY >
32 <!ATTLIST diameter_measurement_unit tag_id CDATA #REQUIRED >
33
34 <ELEMENT diameter_min_val EMPTY >
35 <!ATTLIST diameter_min_val tag_id CDATA #REQUIRED >
36 <!ATTLIST diameter_min_val value CDATA #REQUIRED >
37
38 <ELEMENT duration EMPTY >
39 <!ATTLIST duration measure CDATA #REQUIRED >
40 <!ATTLIST duration tag_id CDATA #REQUIRED >
41 <!ATTLIST duration value CDATA #REQUIRED >
42
43 <ELEMENT effective_date EMPTY >
44 <!ATTLIST effective_date tag_id CDATA #REQUIRED >
45 <!ATTLIST effective_date value CDATA #REQUIRED >
46
47 <ELEMENT grade EMPTY >
48 <!ATTLIST grade tag_id CDATA #REQUIRED >
49 <ELEMENT category EMPTY >
50 <!ATTLIST category id CDATA #REQUIRED >
51 <!ATTLIST category tag_id CDATA #REQUIRED >
52
53 <ELEMENT chemical_composition ( chemical_oxide_value, chemical_oxide_nominal_weight, chemical_oxide_nominal_weight_measurement_unit ) >
54 <!ATTLIST chemical_composition tag_id CDATA #REQUIRED >
55
56 <ELEMENT chemical_oxide_nominal_weight EMPTY >
```

Fig. 3B-2



File: F:\XML-first\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

```
57 <!ATTLIST chemical_oxide_nominal_weight tag_id CDATA #REQUIRED >
58
59 <ELEMENT chemical_oxide_nominal_weight_measurement_unit EMPTY >
60 <!ATTLIST chemical_oxide_nominal_weight_measurement_unit tag_id CDATA #REQUIRED >
61
62 <ELEMENT chemical_oxide_value EMPTY >
63 <!ATTLIST chemical_oxide_value tag_id CDATA #REQUIRED >
64
65 <ELEMENT description ( manufacturer, category, subcategory, description_type ) >
66 <!ATTLIST description tag_id CDATA #REQUIRED >
67
68 <ELEMENT description_text EMPTY >
69 <!ATTLIST description_text tag_id CDATA #REQUIRED >
70
71 <ELEMENT description_type ( description_text ) >
72 <!ATTLIST description_type tag_id CDATA #REQUIRED >
73 <!ATTLIST description_type value CDATA #REQUIRED >
74
75 <ELEMENT diameter_max_val EMPTY >
76 <!ATTLIST diameter_max_val tag_id CDATA #REQUIRED >
77 <!ATTLIST diameter_max_val value CDATA #REQUIRED >
78
79 <ELEMENT diameter_measurement_unit EMPTY >
80 <!ATTLIST diameter_measurement_unit tag_id CDATA #REQUIRED >
81
82 <ELEMENT diameter_min_val EMPTY >
83 <!ATTLIST diameter_min_val tag_id CDATA #REQUIRED >
84 <!ATTLIST diameter_min_val value CDATA #REQUIRED >
```

Fig. 3C-1

```
85 <ELEMENT duration EMPTY >  
86 <!ATTLIST duration measure CDATA #REQUIRED >  
87 <!ATTLIST duration tag_id CDATA #REQUIRED >  
88 <!ATTLIST duration value CDATA #REQUIRED >  
89 <!ATTLIST duration value CDATA #REQUIRED >  
90  
91 <ELEMENT effective_data EMPTY >  
92 <!ATTLIST effective_data tag_id CDATA #REQUIRED >  
93 <!ATTLIST effective_data value CDATA #REQUIRED >  
94  
95 <ELEMENT grade EMPTY >  
96 <!ATTLIST grade tag_id CDATA #REQUIRED >  
97 <!ATTLIST grade value CDATA #REQUIRED >  
98  
99 <ELEMENT linear_shrinkage EMPTY >  
100 <!ATTLIST linear_shrinkage tag_id CDATA #REQUIRED >  
101 <!ATTLIST linear_shrinkage value CDATA #REQUIRED >  
102  
103 <ELEMENT linear_shrinkage_measurement_unit EMPTY >  
104 <!ATTLIST linear_shrinkage_measurement_unit tag_id CDATA #REQUIRED >  
105  
106 <ELEMENT manufacturer ( product_id, product_name ) >  
107 <!ATTLIST manufacturer id CDATA #REQUIRED >  
108 <!ATTLIST manufacturer tag_id CDATA #REQUIRED >  
109  
110 <ELEMENT material ( material_type, material_description, material_properties ) >  
111 <!ATTLIST material tag_id CDATA #REQUIRED >  
112
```

Fig. 3C-2

File: F:\XML-firstcut\johns.marville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

```
113 <ELEMENT material_description EMPTY >
114 <!ATTLIST material_description tag_id CDATA #REQUIRED >
115
116 <ELEMENT material_properties ( grade, nominal_diameter_type, diameter_min_val, diameter_max_val, diameter_measurement_unit ) >
117 <!ATTLIST material_properties tag_id CDATA #REQUIRED >
118
119 <ELEMENT material_type EMPTY >
120 <!ATTLIST material_type tag_id CDATA #REQUIRED >
121
122 <ELEMENT mean_temperature EMPTY >
123 <!ATTLIST mean_temperature tag_id CDATA #REQUIRED >
124 <!ATTLIST mean_temperature value CDATA #REQUIRED >
125
126 <ELEMENT mean_temperature_measurement_unit EMPTY >
127 <!ATTLIST mean_temperature_measurement_unit tag_id CDATA #REQUIRED >
128
129 <ELEMENT msds_data EMPTY >
130 <!ATTLIST msds_data tag_id CDATA #REQUIRED >
131
132 <ELEMENT nominal_diameter_type EMPTY >
133 <!ATTLIST nominal_diameter_type tag_id CDATA #REQUIRED >
134 <!ATTLIST nominal_diameter_type value CDATA #REQUIRED >
135
136 <ELEMENT product ( description, uses, chemical_composition, special_features, msds_data, warranty_info, surface_area, material, specifications ) >
137 <!ATTLIST product id CDATA #REQUIRED >
138 <!ATTLIST product tag_id CDATA #REQUIRED >
```

Fig. 3D-1

```
139
140 <IELEMENT product_density EMPTY >
141 <IATTLIST product_density tag_id CDATA #REQUIRED >
142 <IATTLIST product_density value CDATA #REQUIRED >
143
144 <IELEMENT product_density_measurement_unit EMPTY >
145 <IATTLIST product_density_measurement_unit tag_id CDATA #REQUIRED >
146
147 <IELEMENT product_id EMPTY >
148 <IATTLIST product_id tag_id CDATA #REQUIRED >
149 <IATTLIST product_id value CDATA #REQUIRED >
150
151 <IELEMENT product_name EMPTY >
152 <IATTLIST product_name tag_id CDATA #REQUIRED >
153
154 <IELEMENT shrinkage ( shrinkage_temp shrinkage_temp_measurement_unit, linear_shrinkage, linear_shrinkage_measurement_unit ) >
155 <IATTLIST shrinkage tag_id CDATA #REQUIRED >
156
157 <IELEMENT shrinkage_temp EMPTY >
158 <IATTLIST shrinkage_temp tag_id CDATA #REQUIRED >
159 <IATTLIST shrinkage_temp value CDATA #REQUIRED >
160
161 <IELEMENT shrinkage_temp_measurement_unit EMPTY >
162 <IATTLIST shrinkage_temp_measurement_unit tag_id CDATA #REQUIRED >
163
164 <IELEMENT special_features EMPTY >
165 <IATTLIST special_features tag_id CDATA #REQUIRED >
166
167 <IELEMENT specifications ( shrinkage, thermal ) >
168 <IATTLIST specifications tag_id CDATA #REQUIRED >
```

Fig. 3D-2

File: F:\XML-first\johns.manville.filtration.rev1.00.00.dtd 11/30/01, 10:11:49PM

```
169
170 <ELEMENT subcategory EMPTY >
171 <!ATTLIST subcategory id CDATA #REQUIRED >
172 <!ATTLIST subcategory tag_id CDATA #REQUIRED >
173
174 <ELEMENT surface_area EMPTY >
175 <!ATTLIST surface_area measure CDATA #REQUIRED >
176 <!ATTLIST surface_area tag_id CDATA #REQUIRED >
177 <!ATTLIST surface_area value CDATA #REQUIRED >
178
179 <ELEMENT thermal ( product_density, product_density_measurement_unit, mean_temperature, mean_temperature_measurement_unit, thermal_conductivity, thermal_conductivity_measurement_unit ) >
180 <!ATTLIST thermal tag_id CDATA #REQUIRED >
181
182 <ELEMENT thermal_conductivity EMPTY >
183 <!ATTLIST thermal_conductivity tag_id CDATA #REQUIRED >
184 <!ATTLIST thermal_conductivity value CDATA #REQUIRED >
185
186 <ELEMENT thermal_conductivity_measurement_unit EMPTY >
187 <!ATTLIST thermal_conductivity_measurement_unit tag_id CDATA #REQUIRED >
188
189 <ELEMENT usage_description EMPTY >
190 <!ATTLIST usage_description tag_id CDATA #REQUIRED >
191
192 <ELEMENT uses ( usage_description ) >
193 <!ATTLIST uses tag_id CDATA #REQUIRED >
194
195 <ELEMENT warranty_info ( warranty_text, effective_date, duration ) >
196 <!ATTLIST warranty_info tag_id CDATA #REQUIRED >
197
198 <ELEMENT warranty_text EMPTY >
199 <!ATTLIST warranty_text tag_id CDATA #REQUIRED >
```

Fig. 3E

1	A		B		C		D		E		F		G	
	DataBuilt ID (Item Number)		Filter Type		Product Name		Product Series		Product Description		Material		Filtration Grade	
3	(Not Shown)		Air				Delta-Aire							
4														
5			Air		Delta-Aire Filtration Products		DA-SP - Self Pleat Media		Self-Pleat Media		{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon}		DA-30-SP	
6			Air		Delta-Aire Filtration Products		DA-SP - Self Pleat Media		Self-Pleat Media		{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon}		DA-40-SP	
7			Air		Delta-Aire Filtration Products		DA-SP - Self Pleat Media		Self-Pleat Media		{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon}		DA-50-SP	
8			Air		Delta-Aire Filtration Products		DA-SP - Self Pleat Media		Self-Pleat Media		{SP - Class 2 glass scrim} or {B2 - Class 2 non-woven polyester or nylon}		DA-60-SP	
9			Air		Delta-Aire Filtration Products		DPG Series - Differential Pressure Glass		Fiber glass air filter media		B2 - Class 2 non-woven polyester		DPG-82 B2	
10			Air		Delta-Aire Filtration Products		DPG Series - Differential Pressure Glass		Fiber glass air filter media		B2 - Class 2 non-woven polyester		DPG-95 B2	

FIG. 4A

	H	I	J	K	L	M
	Media Color	Thickness - in. (mm)	Weight - gm/ft <sup>2</sup> (gm/m <sup>2</sup> )	Air Permeability - in. W.G. (Pa)	Initial Flat Sheet Particle Efficiency - %	Filtration Application Atmospheric Efficiency - %
1	Choice of Amber, Orange, Purple, Lime Green, Brown, Yellow, (Color coded to identify efficiency ranges)					
3						
4						
5	Amber	0.16 (4.1)	11.0 (118.4)	0.03 (7.5)	4 - 8	30 -35
6	Amber	0.16 (4.1)	11.3 (121.6)	0.04 (10.0)	8-12	40-45
7	Amber	0.16 (4.1)	11.8 (127.0)	0.06 (14.9)	12-16	50-55
8	Orange	0.16 (4.1)	14.0 (150.7)	0.08 (19.9)	18-23	60-65
9	Purple	0.15 (3.8)	3.2 (34.4)	0.13 (32.4)	56-66	80-85
10	Lime Green	0.15 (3.8)	3.5 (37.7)	0.27 (67)	75-85	90-95

FIG. 4B

	O	P	Q	R	S	T
	Certifications	Roll Width - in. (cm)	Roll Length - lin. Ft. (lin. M)	Roll Cores - Chipboard ID - in. (cm)	Backings & Maximum Recommended Working Air Temperature - Degrees Fahrenheit (Degrees Celsius)	Produced As
1						
3						
4						
5	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to {SP - Class 2 glass scrim} and {B2 - Class 2 non-woven polyester or nylon}	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
6	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to {SP - Class 2 glass scrim} and {B2 - Class 2 non-woven polyester or nylon}	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
7	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to {SP - Class 2 glass scrim} and {B2 - Class 2 non-woven polyester or nylon}	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
8	ISO-9002 Certified	12-25 (30.5-63.5)	500 (152)	2 (5.1)	250 (121) Note: this applies to {SP - Class 2 glass scrim} and {B2 - Class 2 non-woven polyester or nylon}	Roll of DA-SP series media bonded to a glass mat backing that is self-supporting when pleated and heat set
9	ISO-9002 Certified	12-72 (30-183)	1000 (305)	2 (5.1)	250 (121) Note: This applies to {B2 - Class 2 non-woven polyester}	Roll form, color coded for identification of efficiency ranges
10	ISO-9002 Certified	12-72 (30-183)	1000 (305)	2 (5.1)	250 (121) Note: This applies to {B2 - Class 2 non-woven polyester}	Roll form, color coded for identification of efficiency ranges

FIG. 4C



U	V	W	X	Y	Z	AA	AB
<u>Special Features</u>	<u>Specific Features Available Upon Request</u>	<u>Uses</u>	<u>Ratings</u>	<u>Manufacturer Information</u>	<u>Telephone #</u>	<u>Internet Address</u>	<u>Hazard Label</u>
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths; additional grades are available to meet specific applications	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003
Neither the media binder nor Fiber Glass support microbial growth	Custom Widths and Lengths; additional grades are available to meet specific applications	Panel Filters, Filters for HVAC systems, Paint Spray Booths, FDA applications, Clean Rooms	Filter Media, by itself, will meet the UL Class rating when tested in accordance with UL900 "Standard for Air Filter Units"	Johns Manville	303-978-2000	<a href="http://www.im.com">http://www.im.com</a>	FBG-003

FIG. 4D

# Category - Air Filtration Johns-Manville Delta-Aire Air Filtration

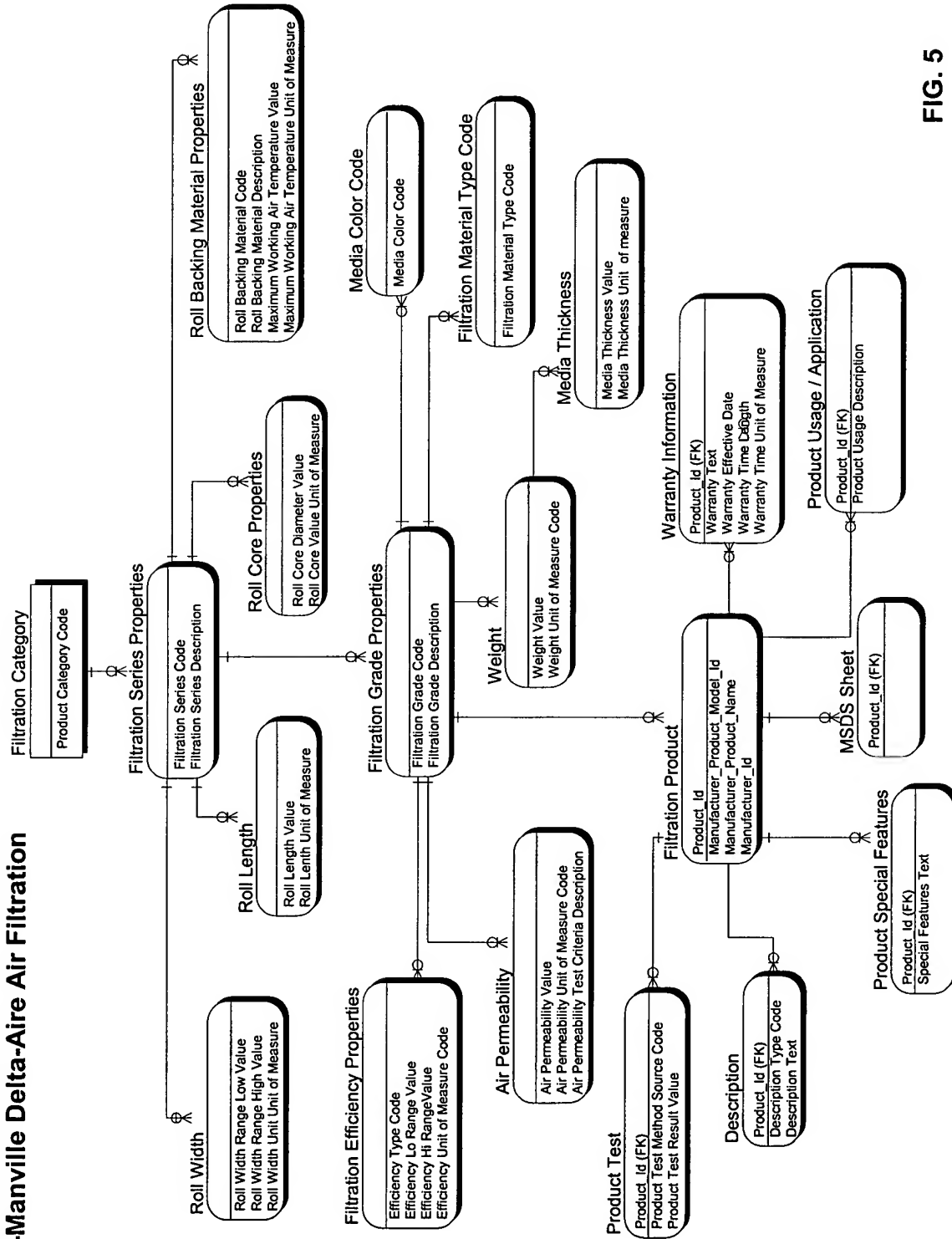


FIG. 5

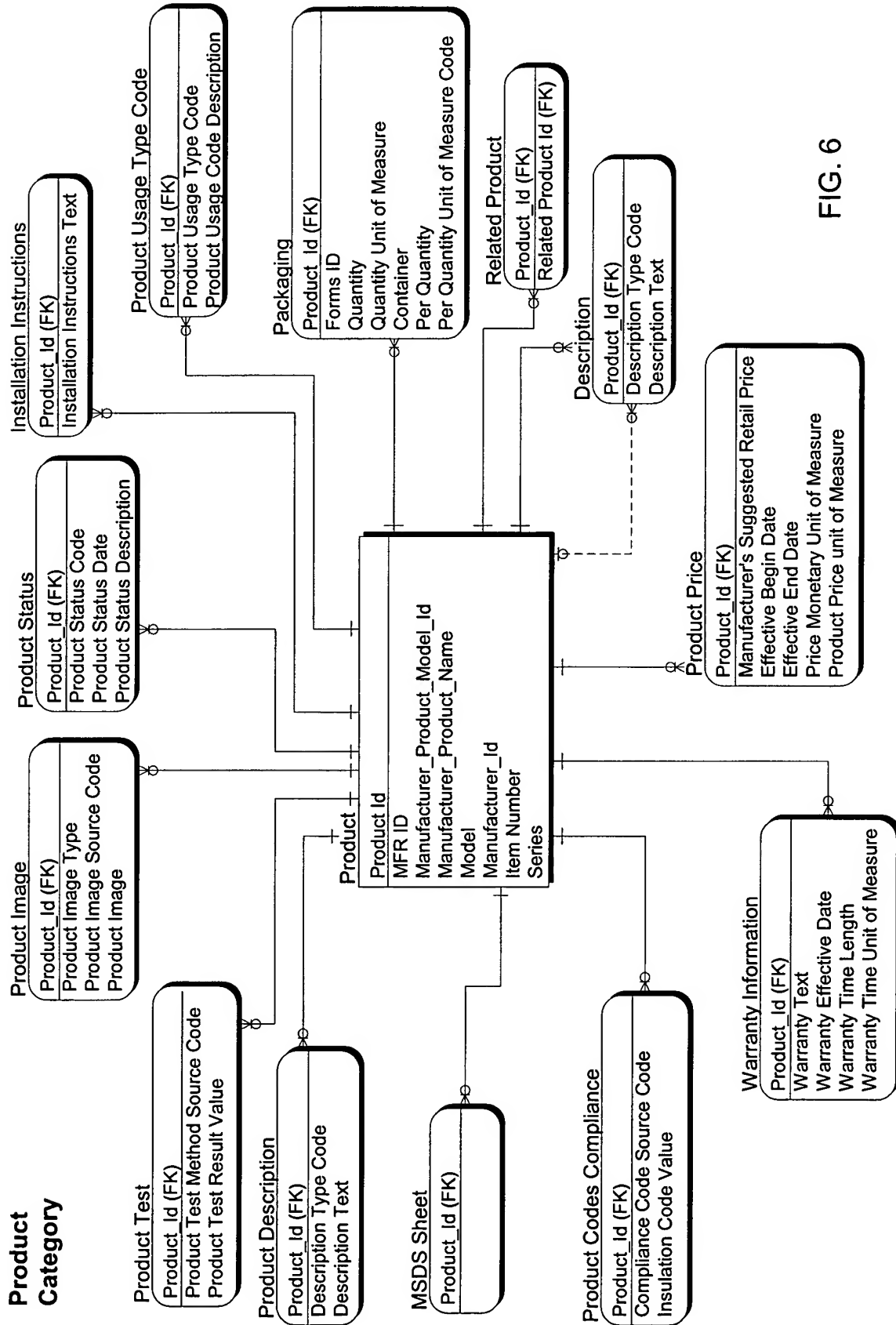


FIG. 6

Logout

Indigo Run

To view project profile,  
click on project name.

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Project Notebook

Search

Toolbox

Reports

Settings

Help

UCID

Return to Report Builder

Indigo Run Reports

Total Product Cost

UCID

Product Name	Manufacturer	DataBull Number	Quantity	MSRP	Total Cost
<input type="checkbox"/> 1. Wood Window	Pella	123A23B7678CD7825FAC218	5	US\$ 160	US\$ 800
<input type="checkbox"/> 2. Fluorescent Light	Lithonia	58324120AB4646221CE7215	10	US\$ 50	US\$ 500
<input type="checkbox"/> 3. Toilet	American Standard	35699ADF895213006B3EEF69	3	US\$ 120	US\$ 360
<input type="checkbox"/> 4. Wood Connector	Simpson	769601096ADE197085840DE	4	US\$ 5	US\$ 20
<input type="checkbox"/> 5. Modular Brick	Triangle	7678CD7825FAC218123A23B	7	US\$ 1,500	US\$ 10,500
<input type="checkbox"/> 6. Gypsum Sheathing	National Gypsum	8CD7825FAC218123A23B7B7	1	US\$ 200	US\$ 200
<input type="checkbox"/> 7. Elevator	Otis	23B7678CD7825FAC218123A	1	US\$ 25,000	US\$ 25,000
<input type="checkbox"/> 8. Cement Mix	LeFarge	5FAC218123A23B7678CD7B2	1	US\$ 750	US\$ 750
<input type="checkbox"/> 9. Kitchen Faucet	Delta	CD7825FAC218123A23B7678	2	US\$ 90	US\$ 180
<input type="checkbox"/> 10. Wood Door	Waymauser	78CD7825FAC218123A23B78	4	US\$ 180	US\$ 720
Total Project Cost				US\$ 39,030	

Print

Export

Compare Products

Edit Options

Edit Template

Return to Report Builder

FIG. 7A

LOGO

DATA BUILD

Logout

Your open project is:  
**Indigo Run**  
To view project profile,  
click on project name.

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Project Notebook

Search

Toolbox

Reports

Settings

Help

Secure to Report Builder

Indigo Run Reports

Product Quantity

7

Product Name	Manufacturer	Product Description	DataBullt Number	Quantity	MSRP
<input type="checkbox"/> 1. Wood Window	Pella	Double-Hung	123A23B7678CD7825FAC218	5	US\$ 160
<input type="checkbox"/> 2. Fluorescent Light	Lithonia	2' x 4' Recessed	56324120ABA4546221GEF215	10	US\$ 50
<input type="checkbox"/> 3. Toilet	American Standard	Floor Mount	35689ADF895213005B3EF69	3	US\$ 120
<input type="checkbox"/> 4. Wood Connector	Simpson	Wood-to-Wood	789601D89ADE197085B4CDE	4	US\$ 5
<input type="checkbox"/> 5. Modular Brick	Triangle	Standard Red	7678CD7825FAC218123A23B	7	US\$ 1,500
<input type="checkbox"/> 6. Gypsum Sheathing	National Gypsum	4' x 8' Standard	BCD7825FAC218123A23B767	1	US\$ 200
<input type="checkbox"/> 7. Elevator	Otis	Pneumatic Piston	23B7678CD7825FAC218123A	1	US\$ 25,000
<input type="checkbox"/> 8. Cement Mix	LaFarge	Standard White	5FAC218123A23B7678CD762	1	US\$ 750
<input type="checkbox"/> 9. Kitchen Faucet	Delta	Traditional	CD7825FAC218123A23B7678	2	US\$ 90
<input type="checkbox"/> 10. Wood Door	Weyerhaeuser	5-Panel Red Oak	78CD7825FAC218123A23B78	4	US\$ 180

Print

Export

Compare Products

Edit Columns

Edit Columns

Secure to Report Builder

FIG. 7B

© DataBull, Inc. The db logo and tagline "The Global AEC Information Company" are registered servicemarks.

Log out

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Project Notebook

Search

Toolbox

Reports

Settings

Help

UCID

Return to Report Builder

Indigo Run Reports

Product Name

1. Wood Window

2. Fluorescent Light

3. Toilet

4. Wood Connector

5. Modular Brick

6. Gypsum Sheathing

7. Elevator

8. Cement Mix

9. Kitchen Faucet

10. Wood Door

Product Name

Wood Window

Fluorescent Light

Toilet

Wood Connector

Modular Brick

Elevator

Cement Mix

Kitchen Faucet

Wood Door

Warning

You have recently moved this project to a new location. Some of the products that you have selected do not meet code requirements in the new jurisdiction. It is highly recommended that you replace the following products:

Data Built Number

Manufacturer

Product Name

☐ 123A23B7678CD7825FAC218123A23B7678

Pella

Wood Window

☐ 56324120AB4546221CEF215

American Standard

Toilet

☐ 35689ADF895213005B3EF69

Triangle

Modular Brick

☐ 789601099ADE19708584CDE

Otis

Elevator

Find Comparable Products

Review Code

Ignore

Return to Report Builder

Return to Report Builder

Return to Report Builder

FIG. 7C

**FIG 7D**

[Home](#)
[Corporate](#)
[Careers](#)
[Site Map](#)
[Contact Us](#)
[Logout](#)

[Language](#)
[U.S. English](#)

[Logout](#)

Your open projects:

None

To view project details, click on project name.

[Company](#)

[My User Profile](#)

[My Projects](#)

[My Products](#)

Project Preferences

Specification System:

Master Format

Project Details

Business Sector:

Choices

☒ Commercial
 ☐ Residential
 ☐ Infrastructure

Preliminary Budget:

US \$2,000,000

Preliminary Size:

55,000 square feet

Preliminary Completion Date:

12/10/2002

Project Type:

Developers

Building Type:

New Construction

Primary Function:

Healthcare

Secondary Function:

Surgical

Project Graphic Symbology

☒ Application
 ☐ DataBuilt Default

File Name

User Name

Last Modified Date

User Name

Upload New Symbology

Finish

After project profile, team and related companies are defined, click Finish to save.

FIG. 7E



**"AEC Solutions 2002"**

Home / Corporate / Careers / Site Map / Contact Us / Logout

Language U.S. English

Help Settings Reports

Project Notebook Search Toolbox

**PROJECT ADMINISTRATOR PRIVILEGES ENABLED**

Please edit the project profile, project team, and related companies.

Edit Project Profile Edit Project Team Edit Project Related Companies

**Project Information**

Required \*

☒ Confidential

Date Created\* 10/11/2001

Project Name\* Indigo Run

Project Number\* 3509

Country\* USA

Postal Code\* 29910

Address\* 1476 Fording Island Rd

State/Province/Canton\* South Carolina

City\* Bluffton

Project Description This is my project description.

Project e-mail Address project@indigorun.com

Phone Number 643-836-2166

Fax Number 643-836-2039

Project Web site Address www.indigorun.com

**Logout**

Your open project is **Indigo Run**

To view project profile, click on project name.

**Company**

**My User Profile**

**My Projects**

**My Projects**

@ Delatall, Inc. - The db logo and tagline "The Global AEC Information Company" are registered servicemarks.

FIG. 7F

FIG. 7G

**"AEC Solutions 2002"**

Home / Corporate / Careers / Site Map / Contact Us / Logout

Language: **U.S. English**

Project Notebook Search Toolbox Reports Settings Help

**Log out**

Your open project is: **None**

To view project profile, click on project name.

**Company** **My User Profile** **My Projects** **My Products**

**COPY <Project Name> Preferences**

Specification System: **Master Format**

**COPY <Project Name> Details**

Business Sector: **Commercial** **Residential** **Infrastructure**

Preliminary Budget: **US \$2,000,000**

Preliminary Size: **55,000 square feet**

Preliminary Completion Date: **12/10/2002**

Project Type: **Developers**

Building Type: **New Construction**

Primary Function: **Healthcare**

Secondary Function: **Surgical**

**COPY <Project Name> Graphic Symbology**

☒ Application ☐ File Name ☐ Last Modified Date ☐ User Name

☐ DataBuilt Default

**Upload New Symbology**

**Finish**

After project profile, team and related companies are defined, click Finish to save.

© DataBuilt, Inc. • The db logo and tagline "The Global AEC Information Company" are registered servicemarks.

FIG. 7H

[Home](#)
[Corporate](#)
[Career](#)
[Site Map](#)
[Contact Us](#)
[Logout](#)

U.S. English

Language

Log out

Your open projects

Indigo Run

to view details click on project name

click on project name

Company

My User Profile

My Projects

My Projects

<Project Name> Project Profile (Read-only)

Project Profile

Project Team

Project Related Companies

Project Information

Project Name

Indigo Run

Project Number

3569

City/Country

10/11/2001

USA

Postal Code

28010

State/Province/Country

South Carolina

City

Bluffton

Project Details

Confidential

Yes

Site Address

1476 Fording Island Rd.

Project Description

This is my project description.

Project Number

043-036-2106

Project Email Address

project@indigorun.com

Project Web Site

www.indigorun.com

Project Preferences

Confirmation Content

Master Format

Project Graphic Symbolology

MicroStation - Consultants

AutoCAD - Consultants

Close Window

FIG. 71

10020856 . 1211203

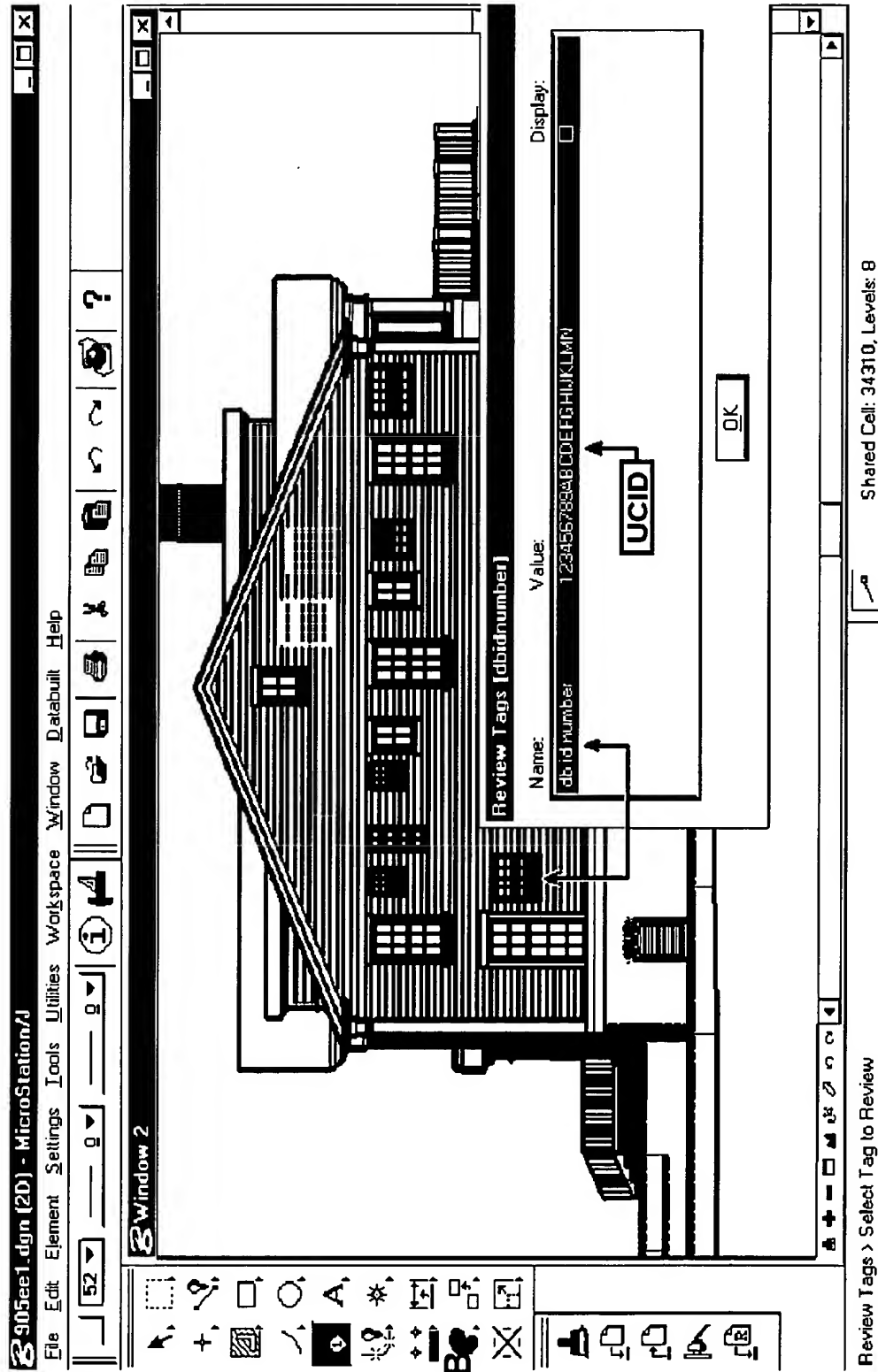


FIG. 8A

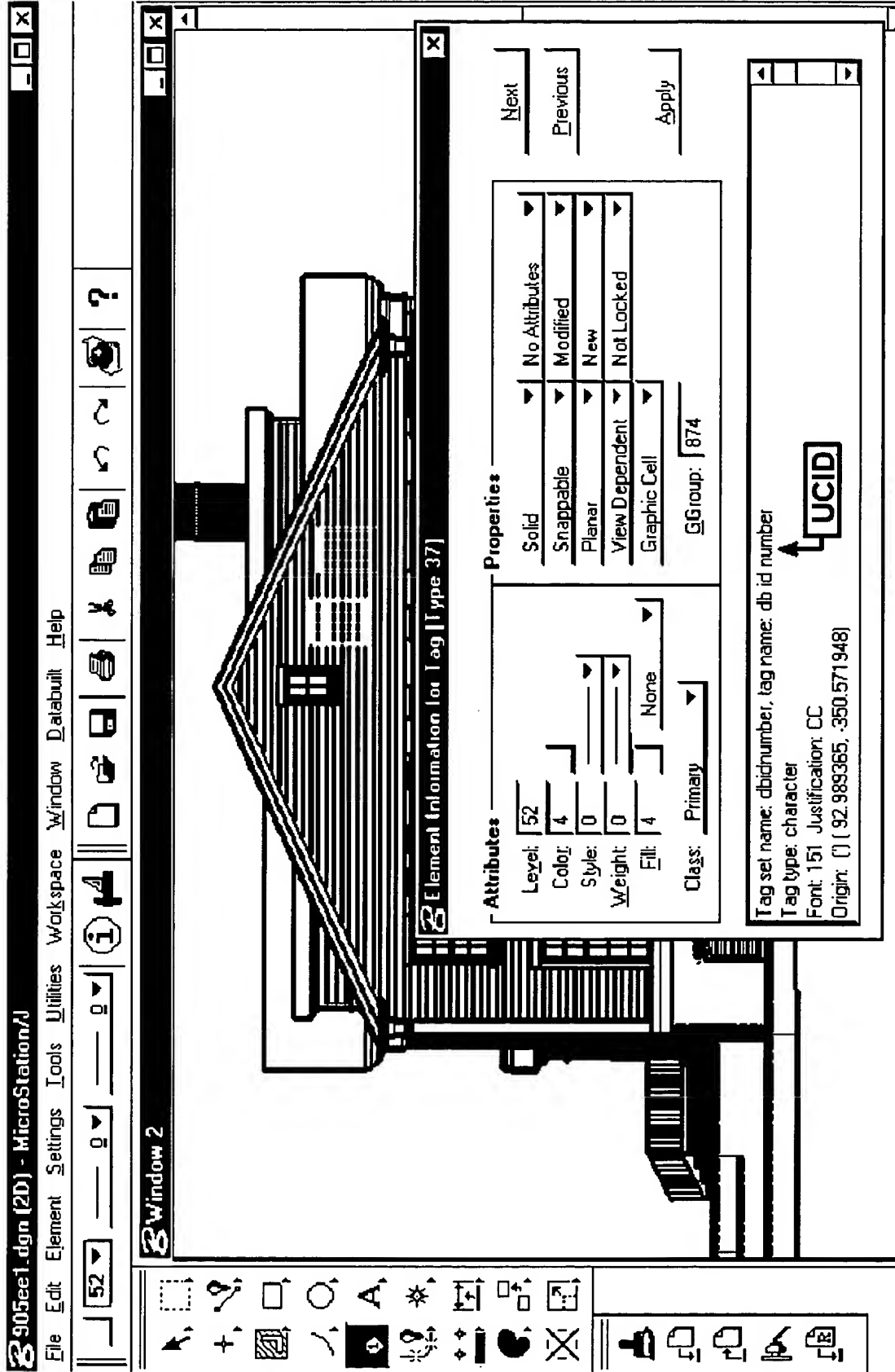


FIG. 8B

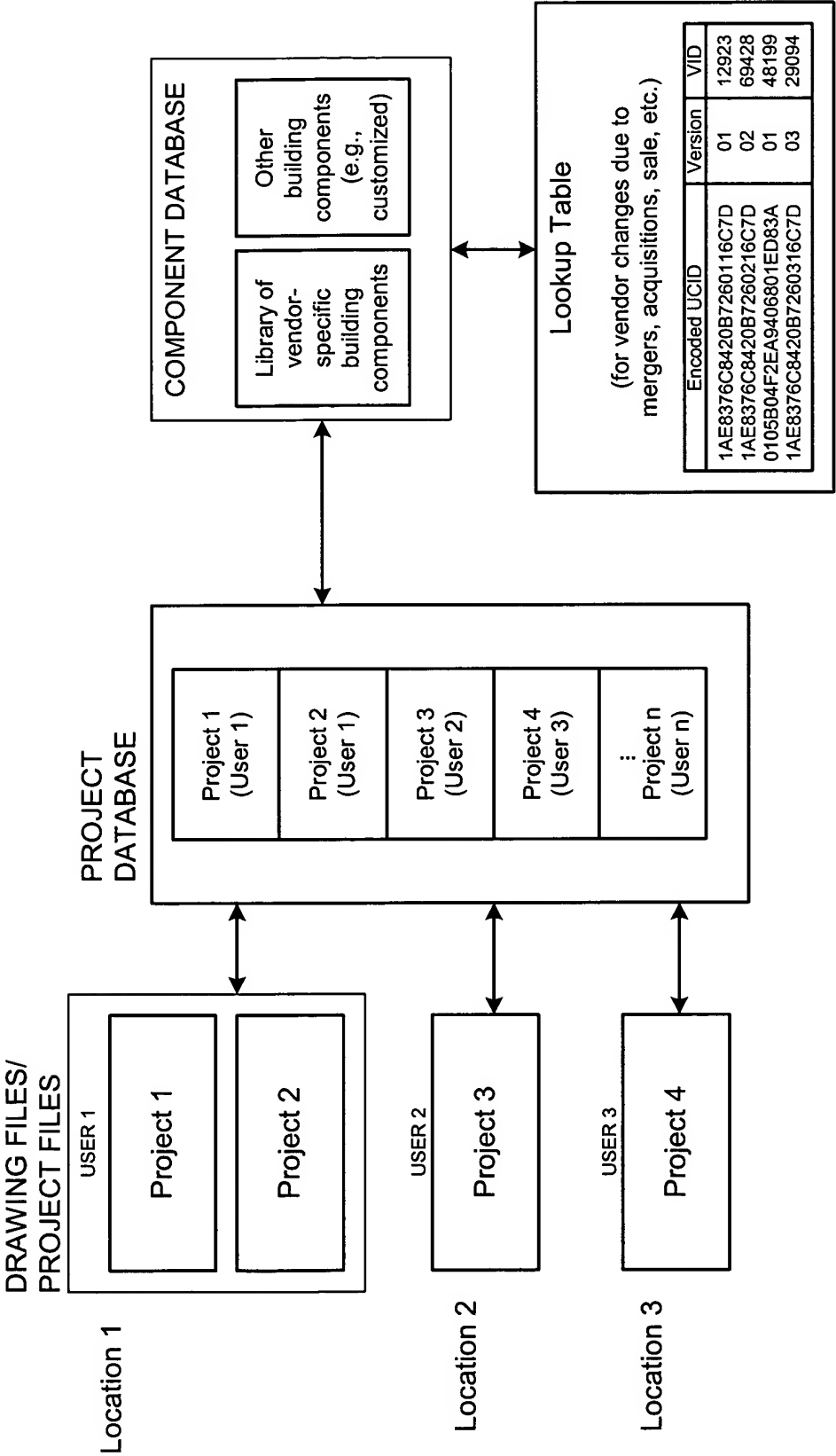


FIG. 9

10020856 . 123201

	Manufacturer	Product Name	VID		GCID		Barcode			External Object Identifier (EOI)
			Mfr ID	Product ID	Product ID	Version	Product ID	Version	Checksum	
1	General Electric	3-inch Downlight	4992408	354622628234	354622628234	00	529127E18A	00	73A5F	1.5.62.5.1.6.2.64.13.8.42.1.5.6.5
2	Lithonia	Recessed Accent	842562	354622628234	354622628234	00	529127E18A	00	F62D8	1.5.62.5.1.6.2.64.13.8.39.1.5.5.4
3	Concord Lighting	Recessed Spot	3467626	354622628234	354622628234	01	529127E18A	01	A5162	1.5.62.5.1.6.2.64.13.8.42.1.5.6.5
4	Lightolier	In-Ceiling Spot	14551	12314819810	12314819810	00	2DE053CE2	00	251E5	1.5.62.5.1.6.2.64.13.0.42.0.7.2.0
5	Lightolier	Recessed Hi-Hat	14551	29348577299	29348577299	00	06D54FC013	00	82335	1.5.62.5.1.6.2.64.13.8.42.1.5.6.9
6	Champion Lighting	3 Inch Spot	241563	99274902850	99274902850	00	171D3ECD42	00	D9391	1.5.62.5.1.6.2.64.13.6.42.1.5.6.9

encoded UCID

unencoded UCID

FIG. 10



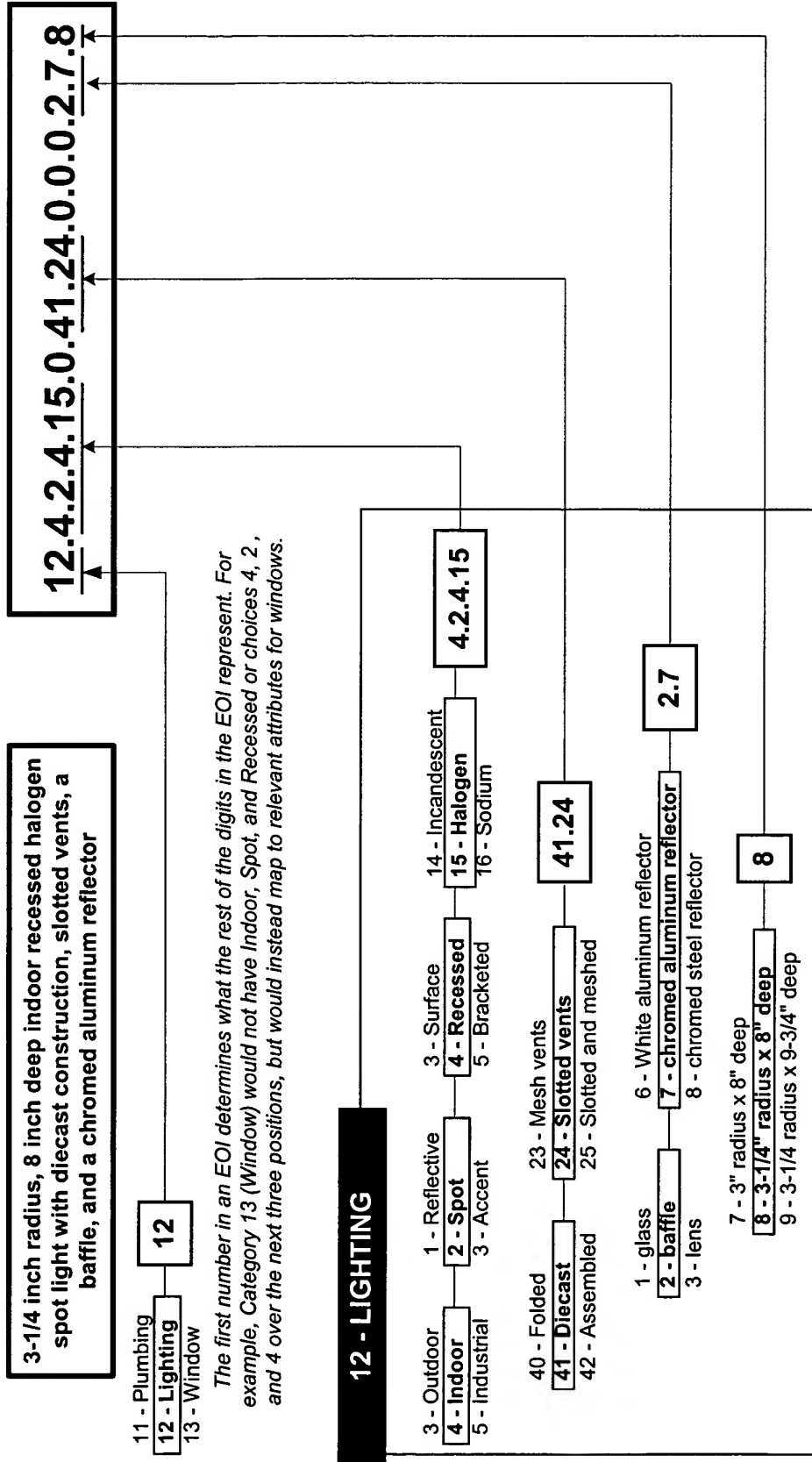


FIG. 11

[illegible]

**FIG. 12**

Logout

Your open project is:

Indigo Run

Cameras

My Projects

Portfolio

Home / Corporate / Careers / Site Map / Contact Us

Language

U.S. English

Products

Manufacturers

Suppliers

Codes

Regulatory Agencies

News

Project Notebook

Search

Toolbox

Reports

Settings

Help

Select a category and type in a keyword or keywords into the search field and click Go.

Keyword Search

Go

Product Attributes

Finish

HDG

Size

Option 1a

Warranty

Option 1ba

Product Information

Save to My Favorites

Manufacturer Name, Product Name

MSRP

DataBuilt ID Number

LCB: Low-cost post base for patios, carports, breezeways and porches.

CB: For columns that require high structural values and rugged performance.

Finish: LCB, CB44, CB46, CB66—galvanized; CB—gray paint or HDG.

Installation:

Use all specified fasteners. See General Notes.

For full loads, minimum side cover required is 3" for CB, 2" for LCB.

Install all models with bottom of base plate flush with concrete.

Not recommended for non-top-supported installations such as fences.

Options:

The LCB may be shipped unassembled; specify "Disassembled".

Codes: BOCA, ICBO, SBCCI NER-393, City of L.A. RR 248 18.

Warranty Info

This Limited Warranty must be read in conjunction with the General Notes, Instructions to the Installer, Instructions to the Designer, Building Codes and Design Loads, Corrosion Resistance, Definitions, Sample Specifications and Terms & Conditions of Sale, along with the information regarding Manufacturer's Name products contained on this website.

Click arrow to expand the result display options.

FIG. 13

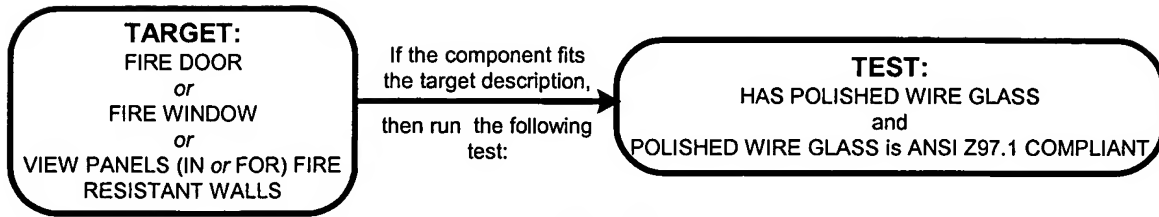


FIG. 14

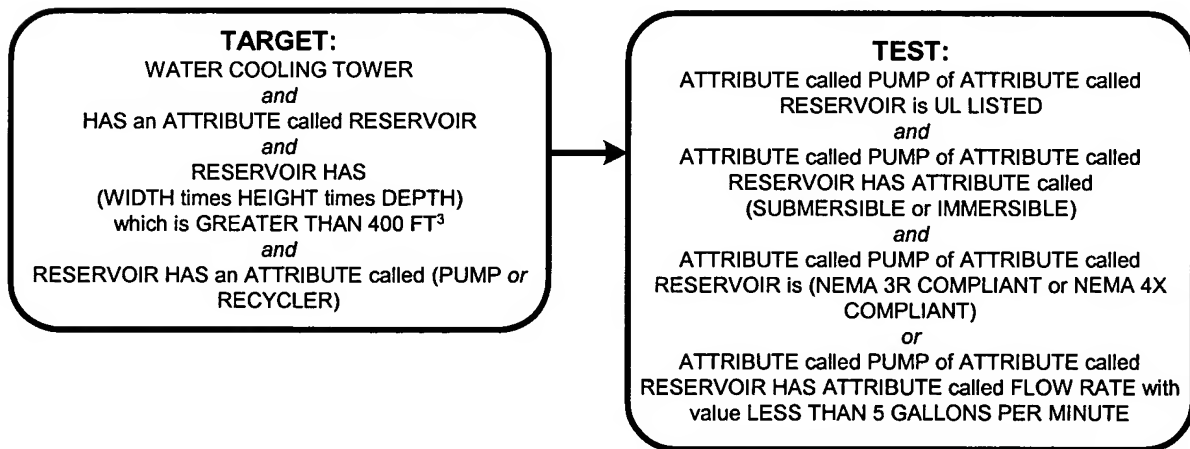


FIG. 15

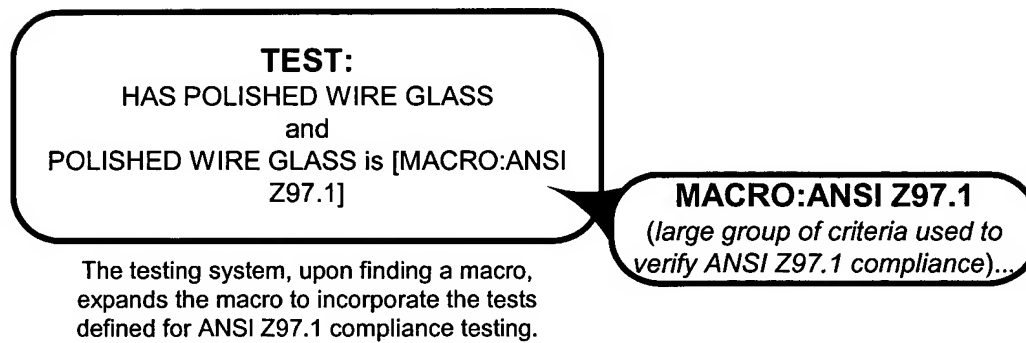


FIG. 16

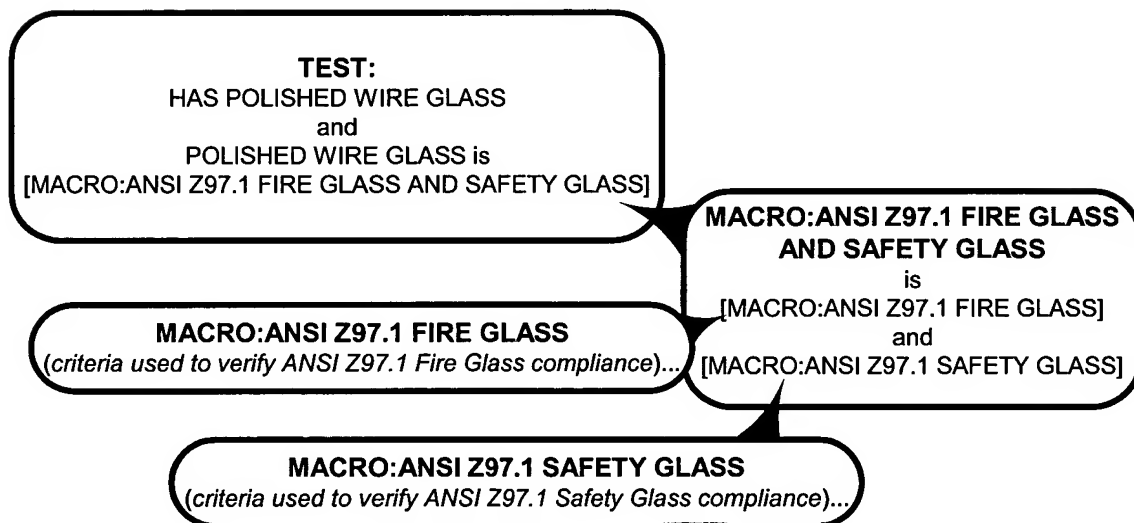


FIG. 17

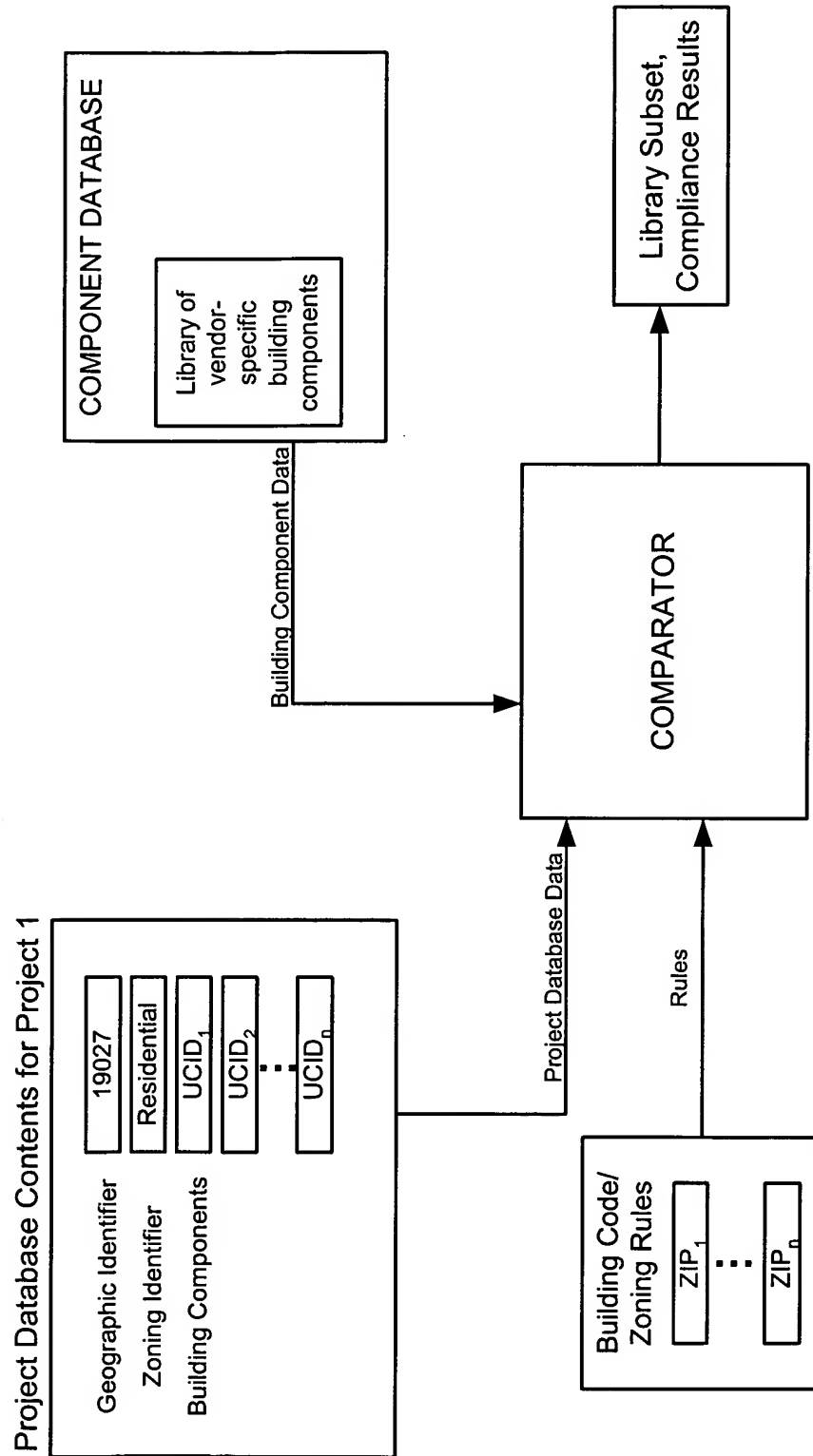


FIG. 18

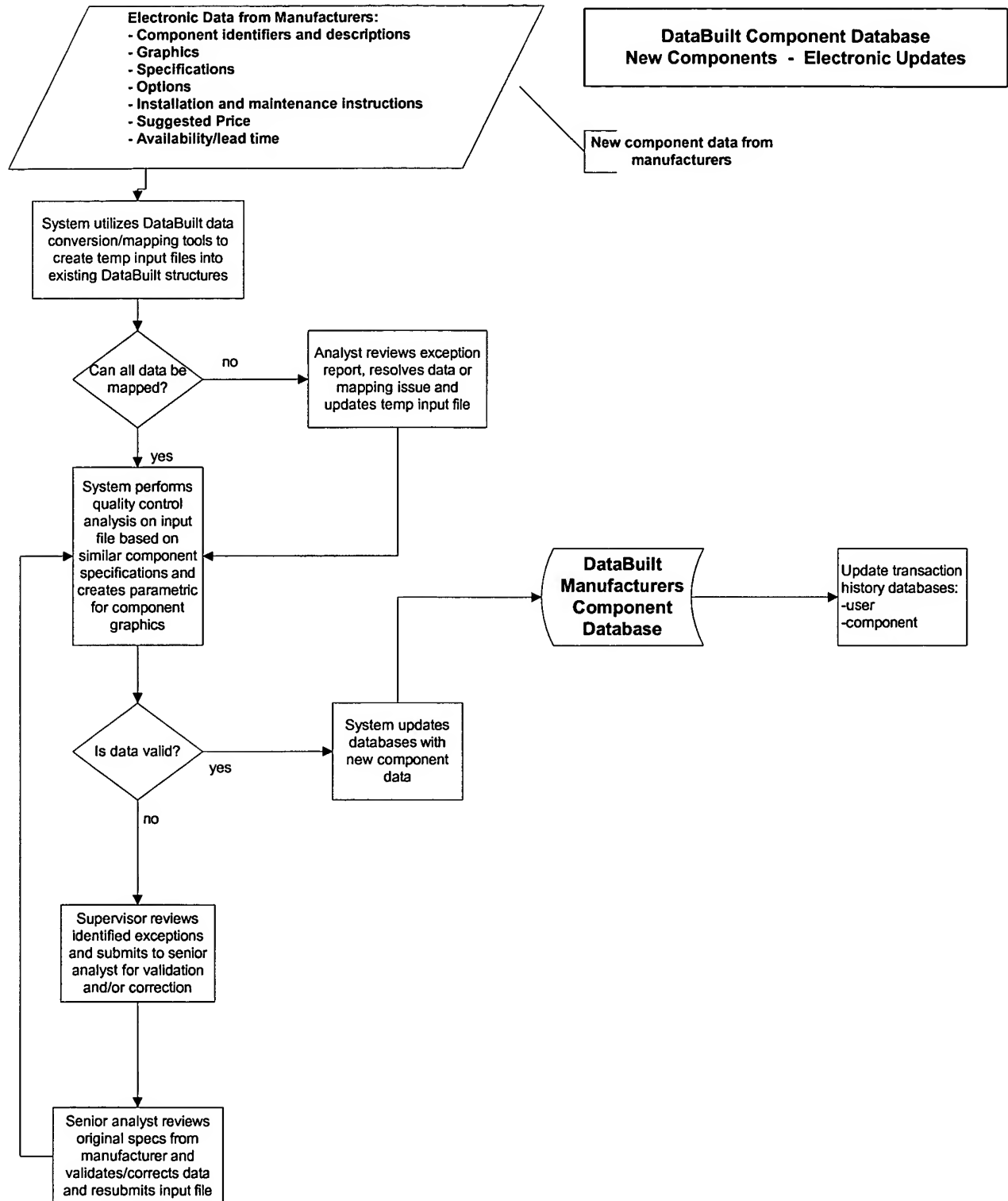


FIG. 19A

PROCESS FLOW: 1

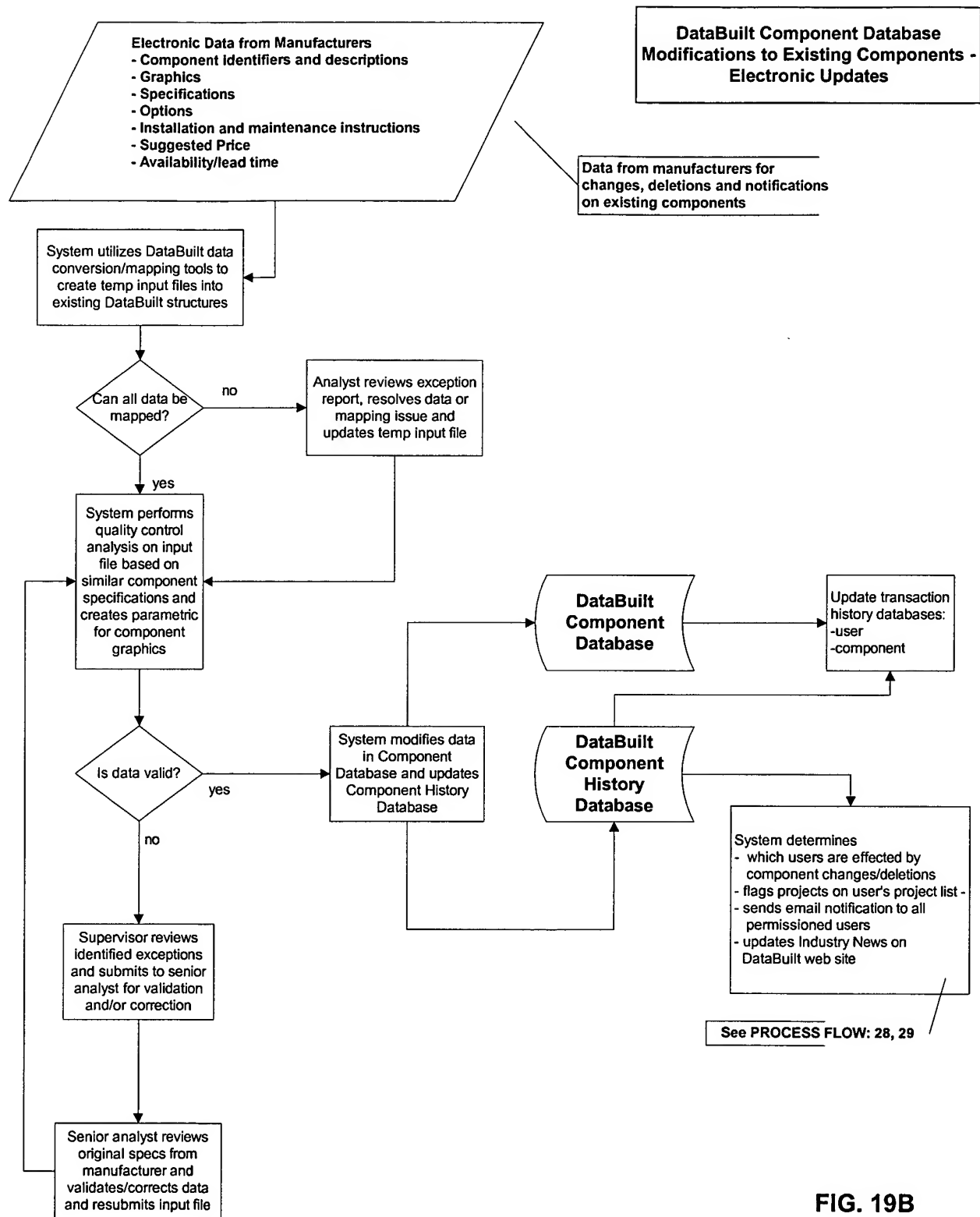


FIG. 19B



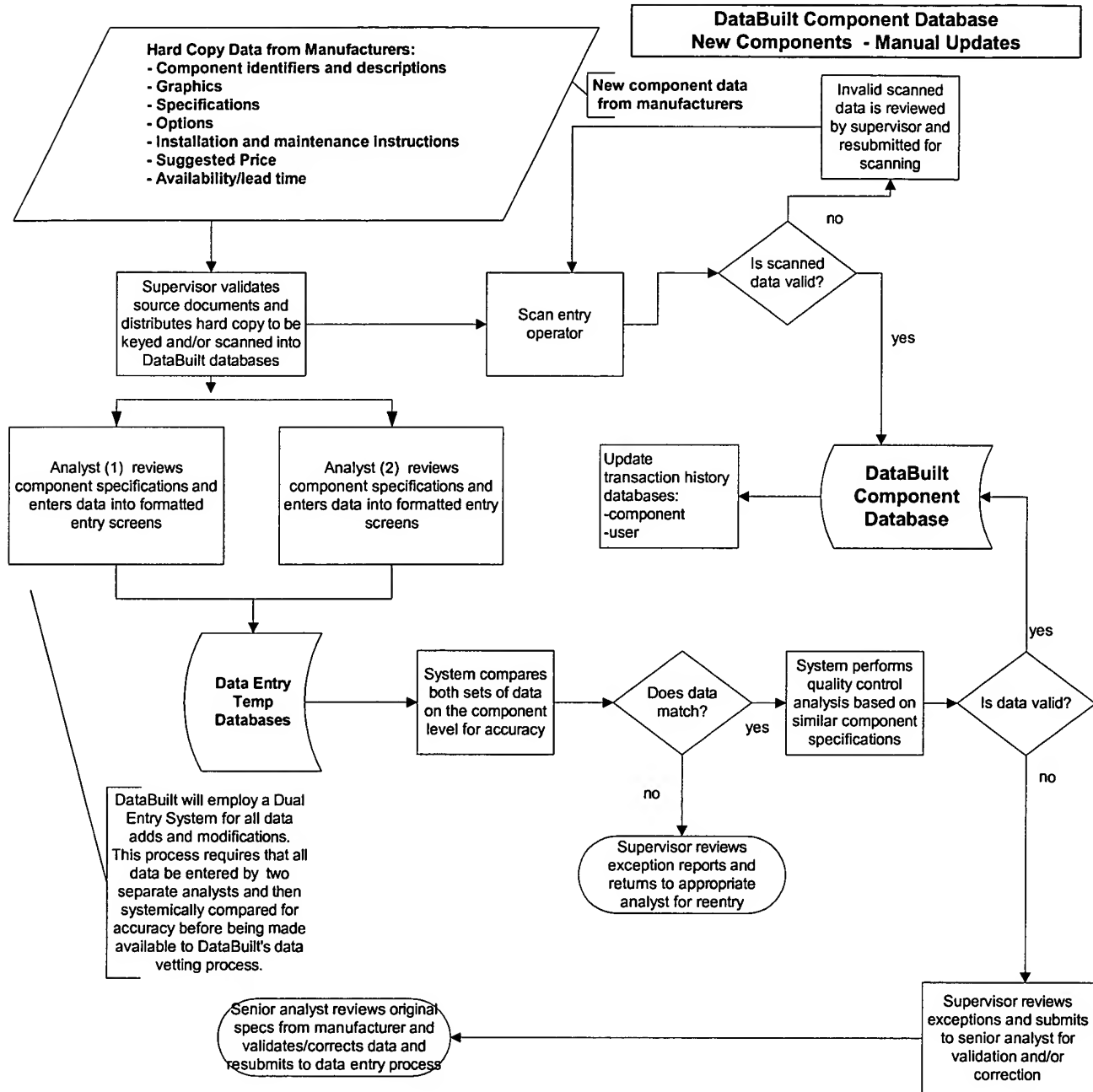


FIG. 19C

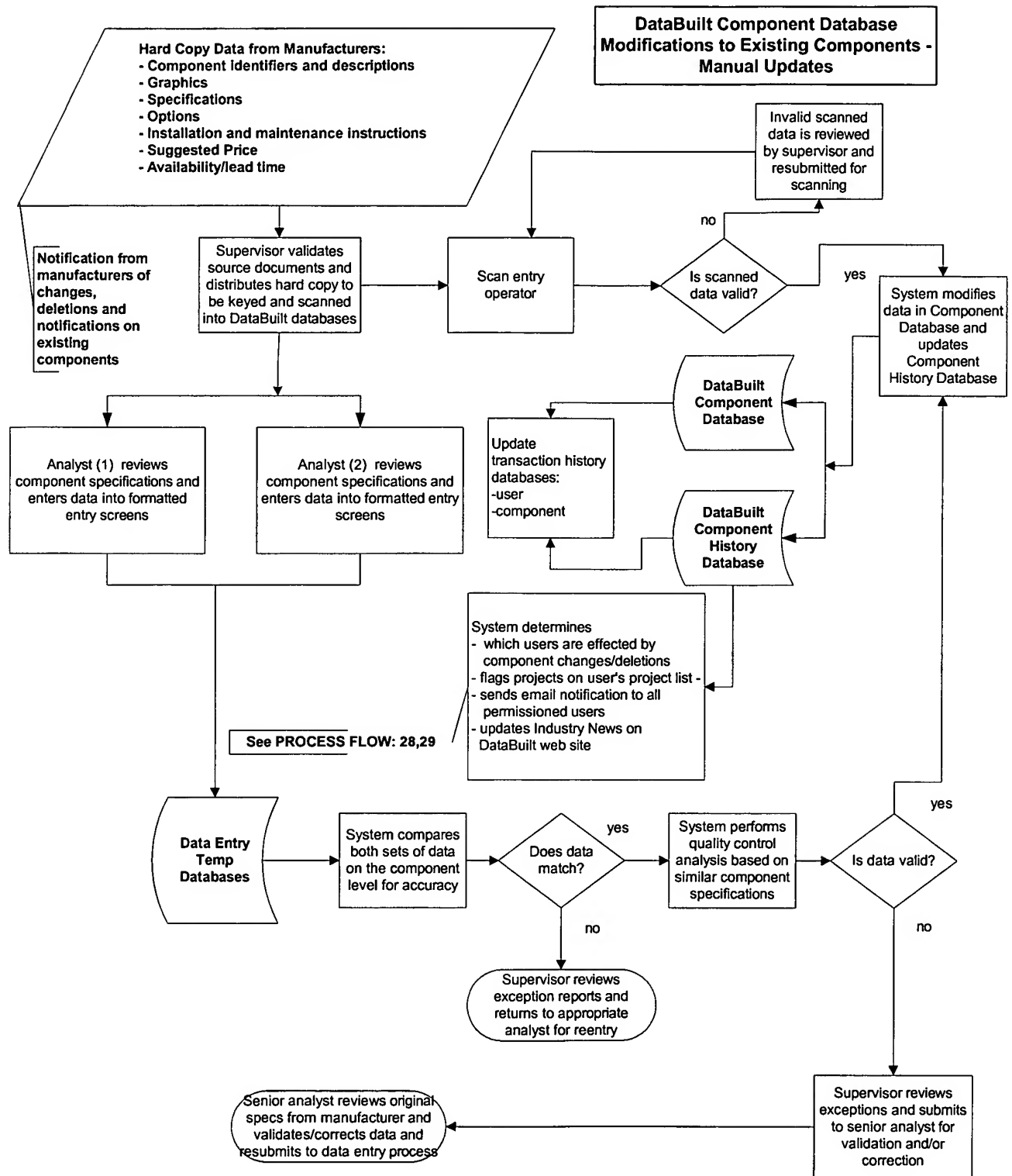


FIG. 19D

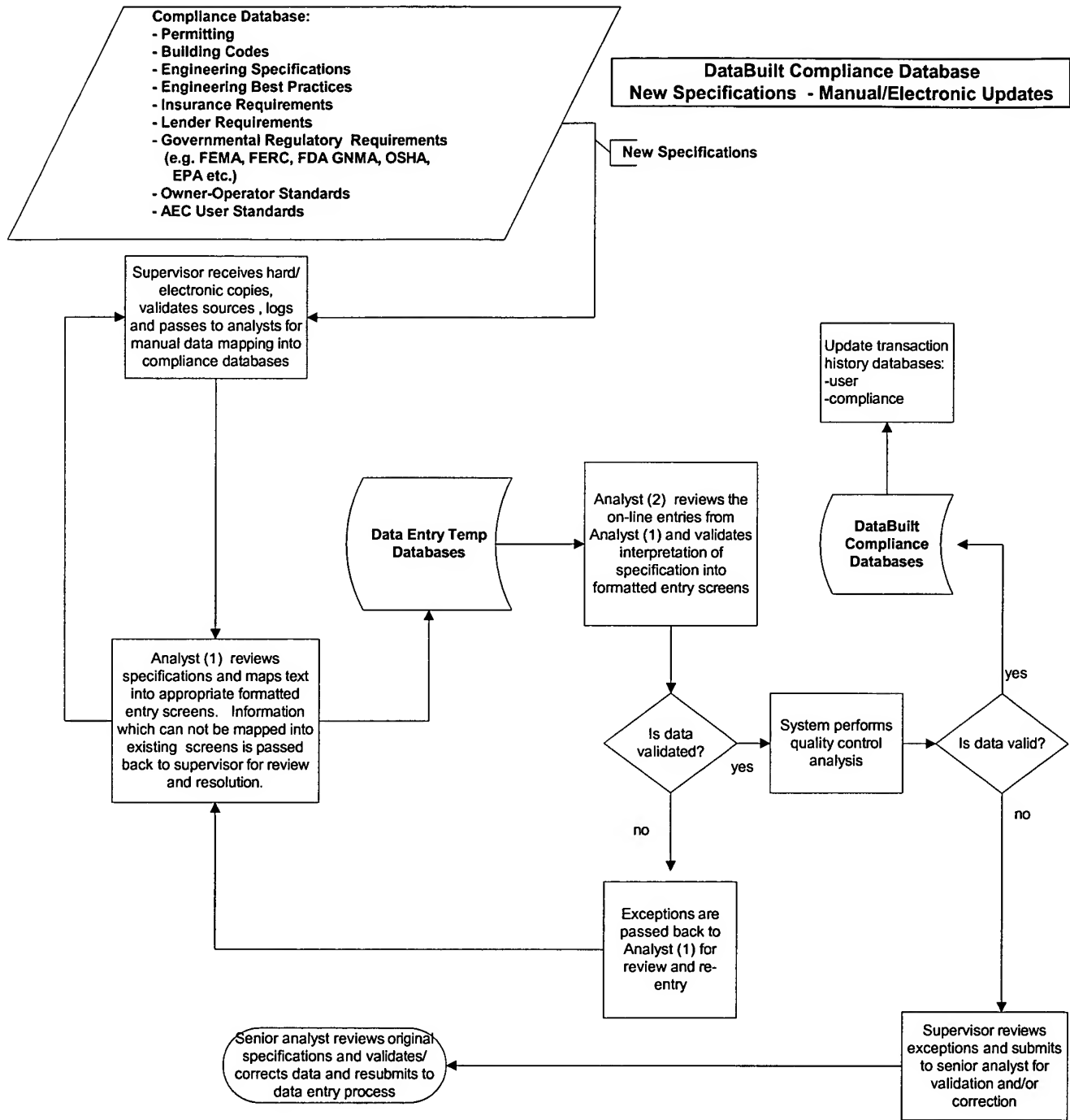
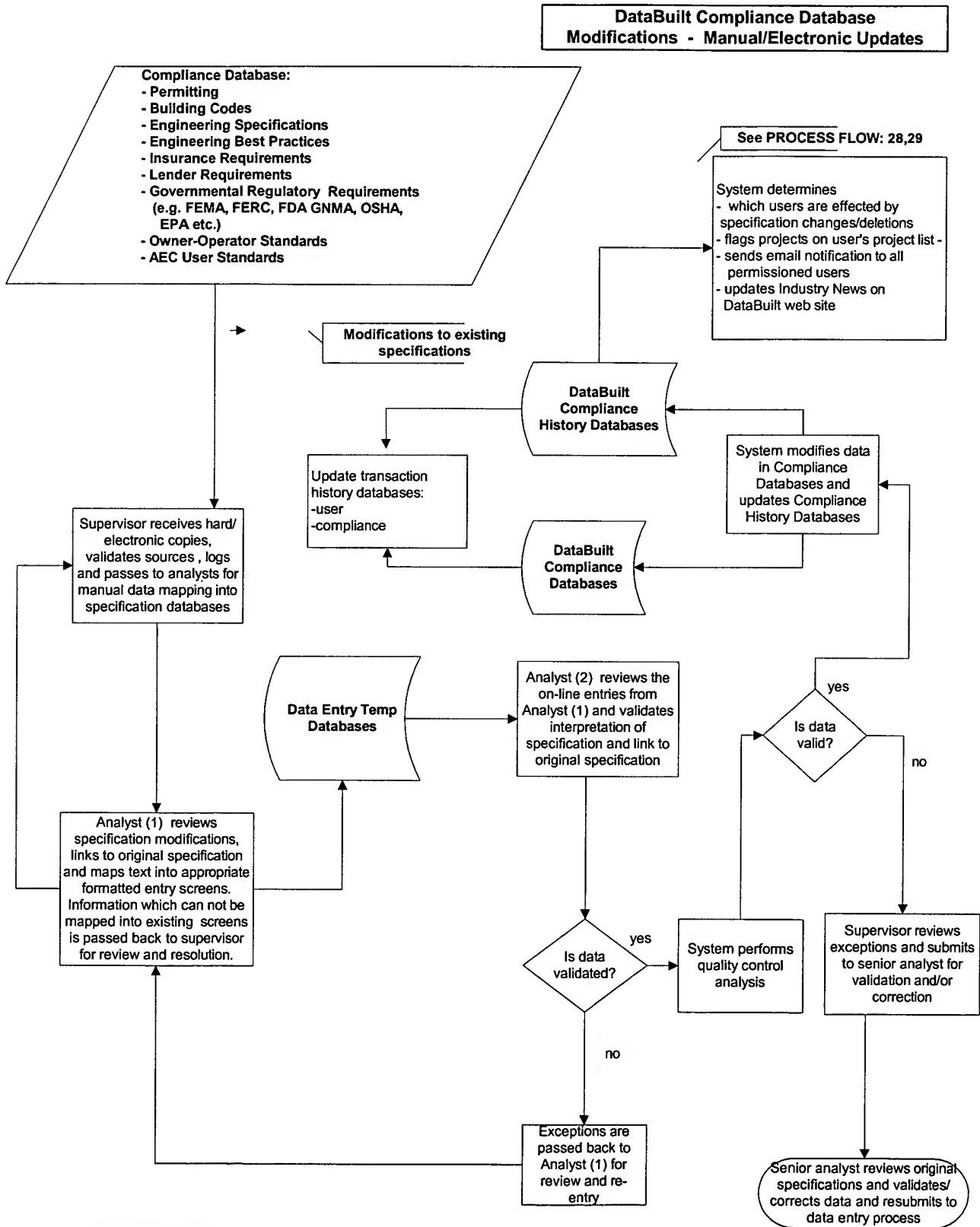
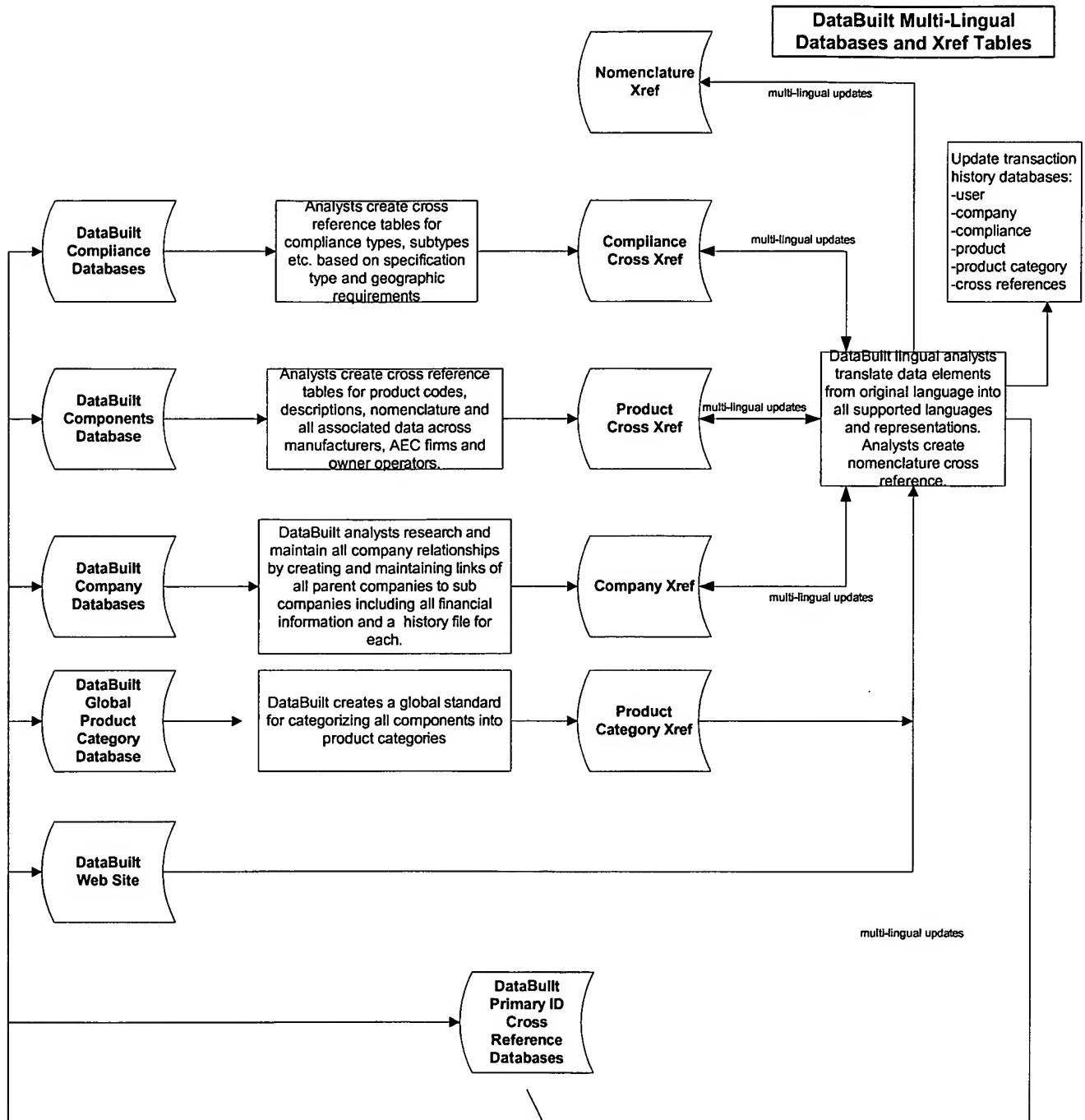


FIG. 19E



**FIG. 19F**

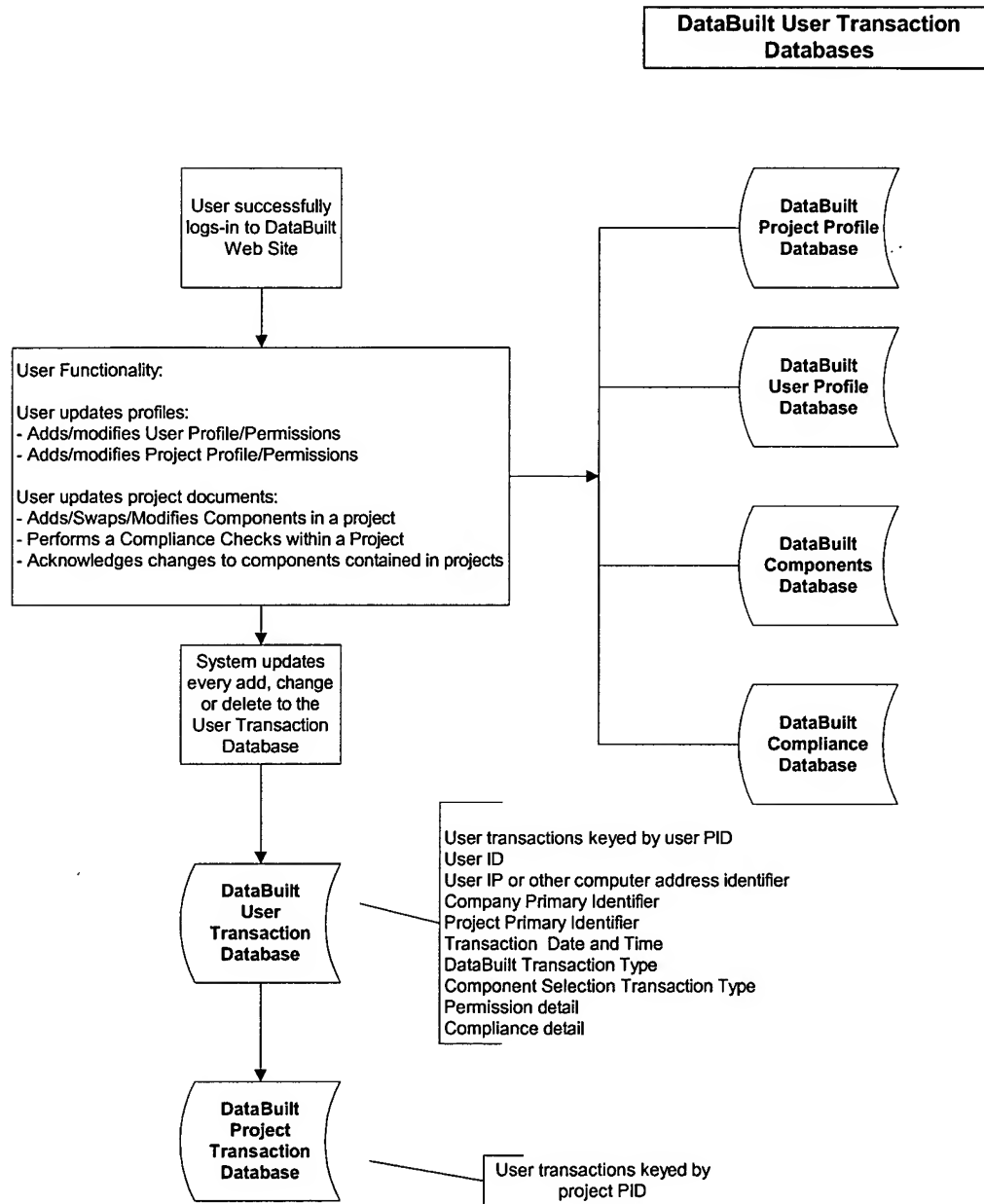


PROCESS FLOW: 7

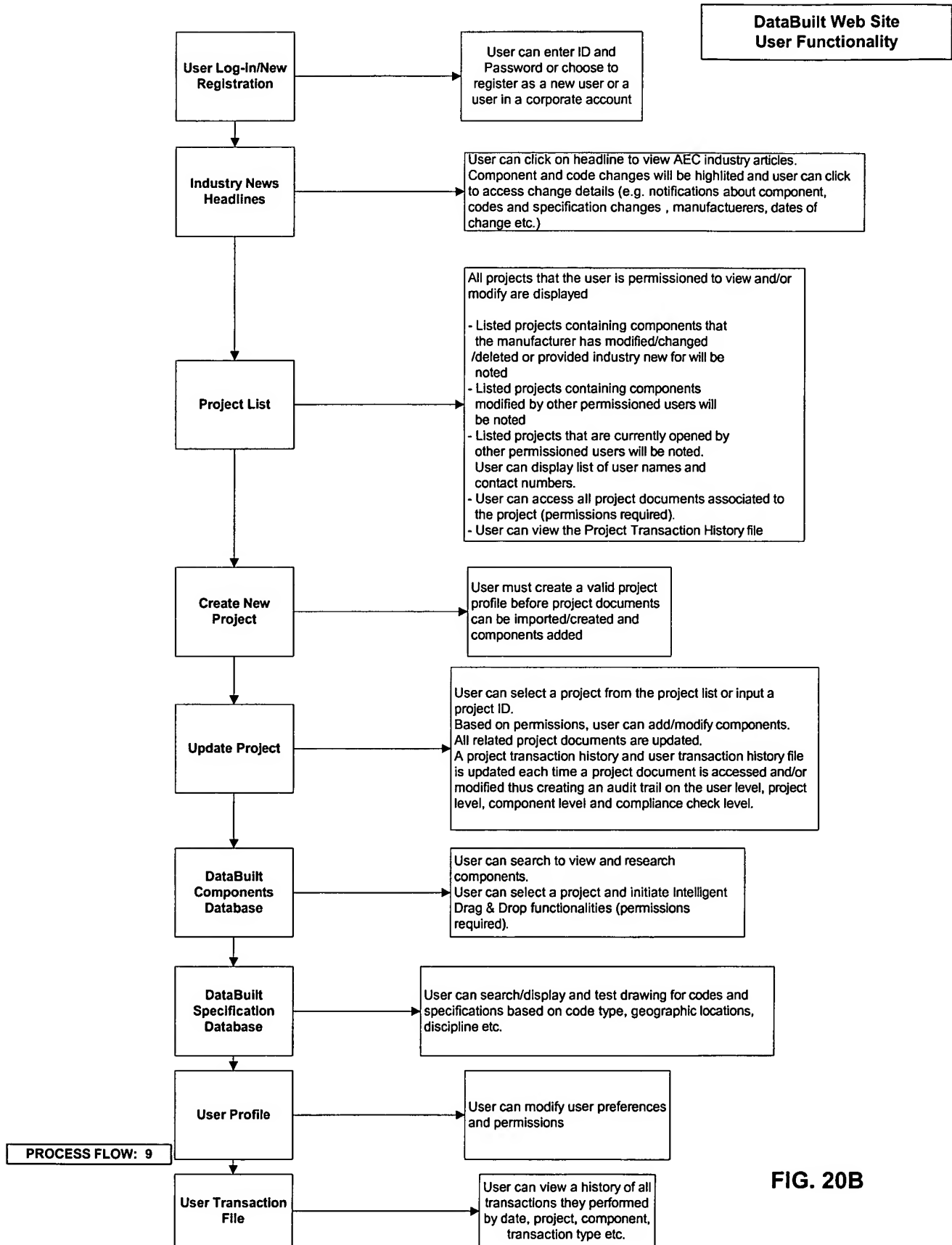
FIG. 19G

DataBUILT assigns a DataBUILT Unique Primary ID (PID) to all data elements stored in DataBUILT Databases (e.g. user names, company names, component names, compliance code types (permit types, building codes, engineering specification type etc.), product categories etc.

For every PID established by DataBUILT, a sophisticated cross reference system is created which links DataBUILT's PID to all other IDs and information (description etc.) used in the AEC industry and in general business. This allows DataBUILT to add, maintain and track history by linking all data elements to the single unique identifier.



10776-1U1 - 12/12/01



**FIG. 20B**

User Log-in  
DataBuilt Web Site

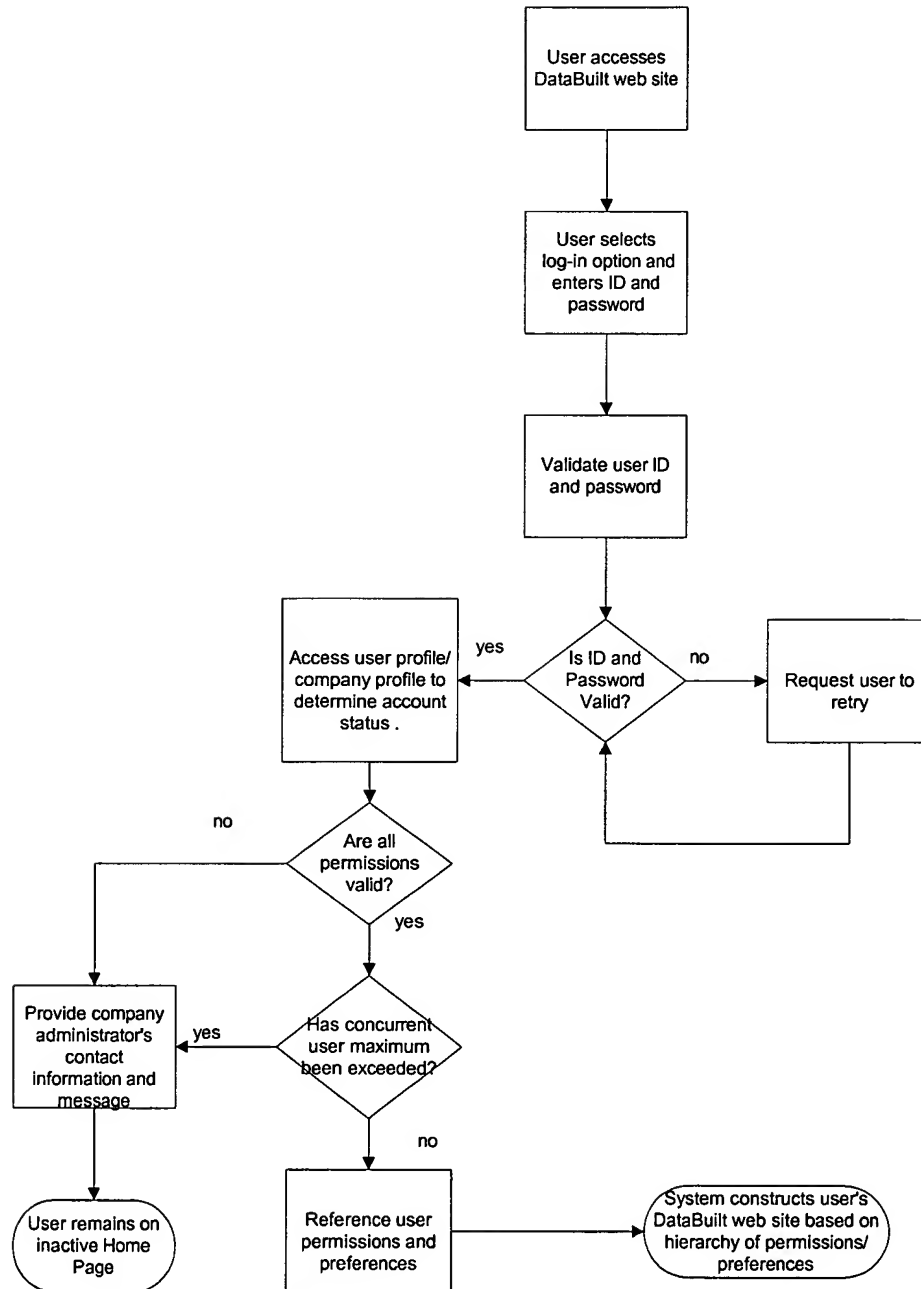
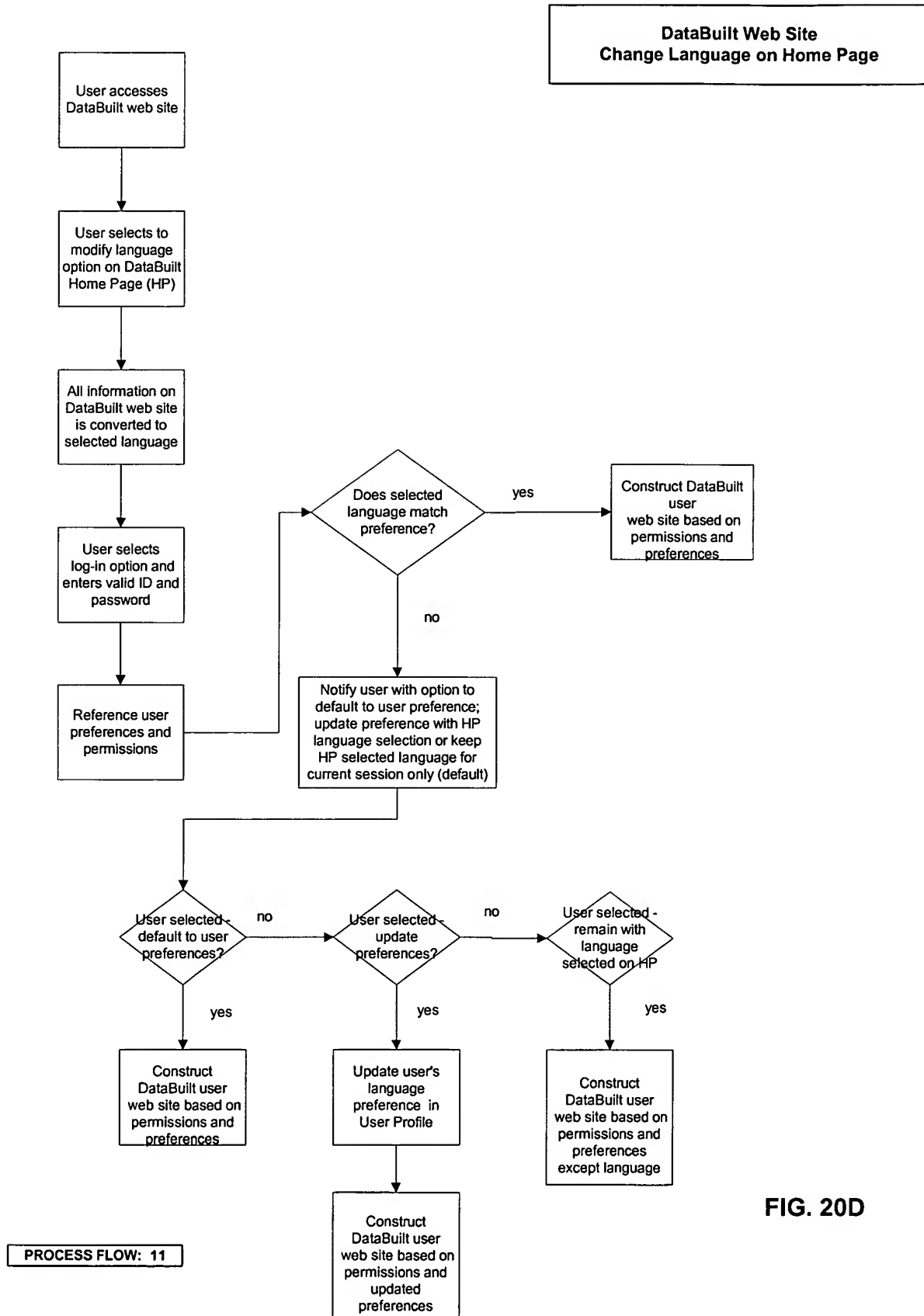


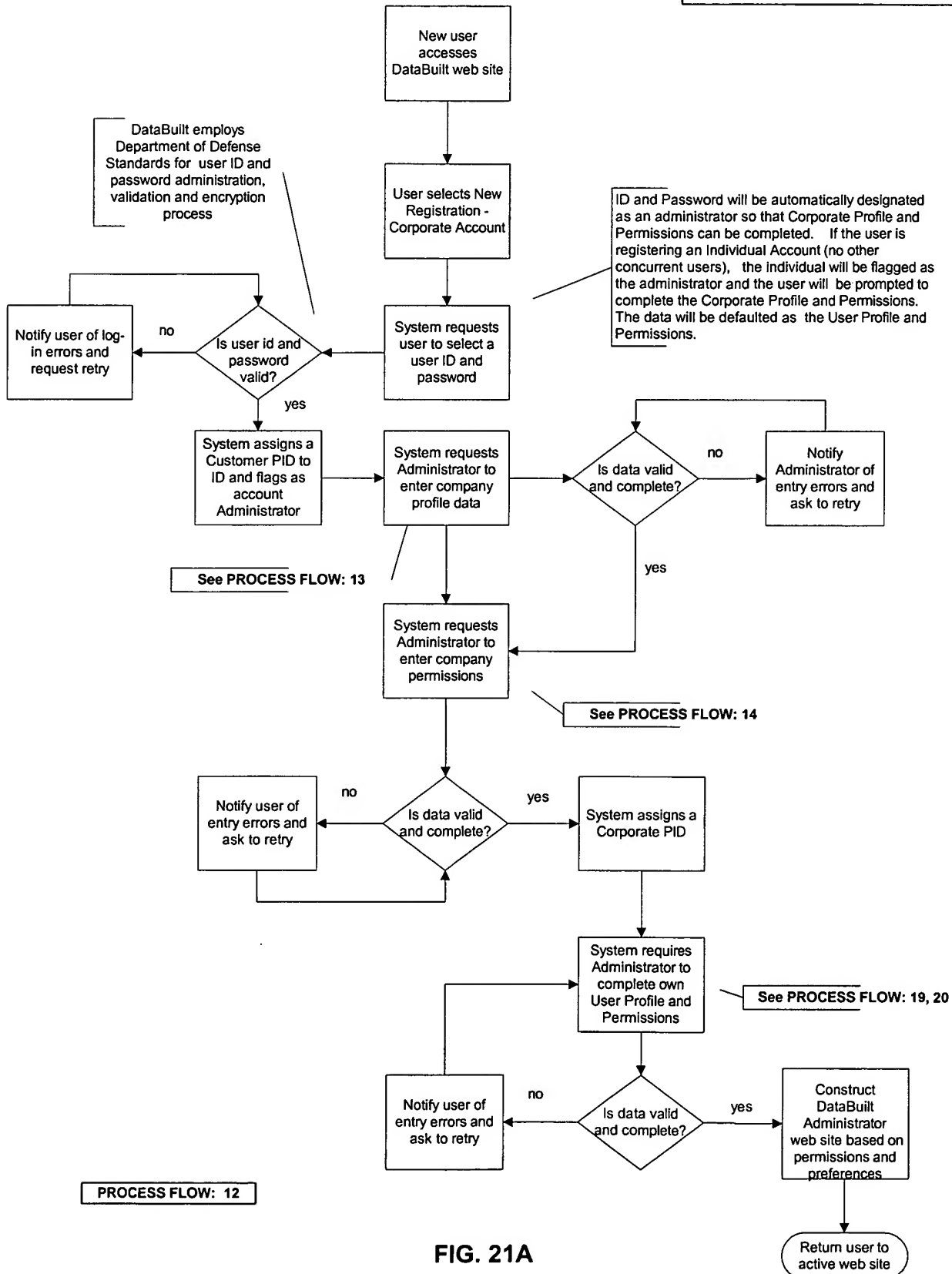
FIG. 20C





**FIG. 20D**

**Corporate Account Registration**



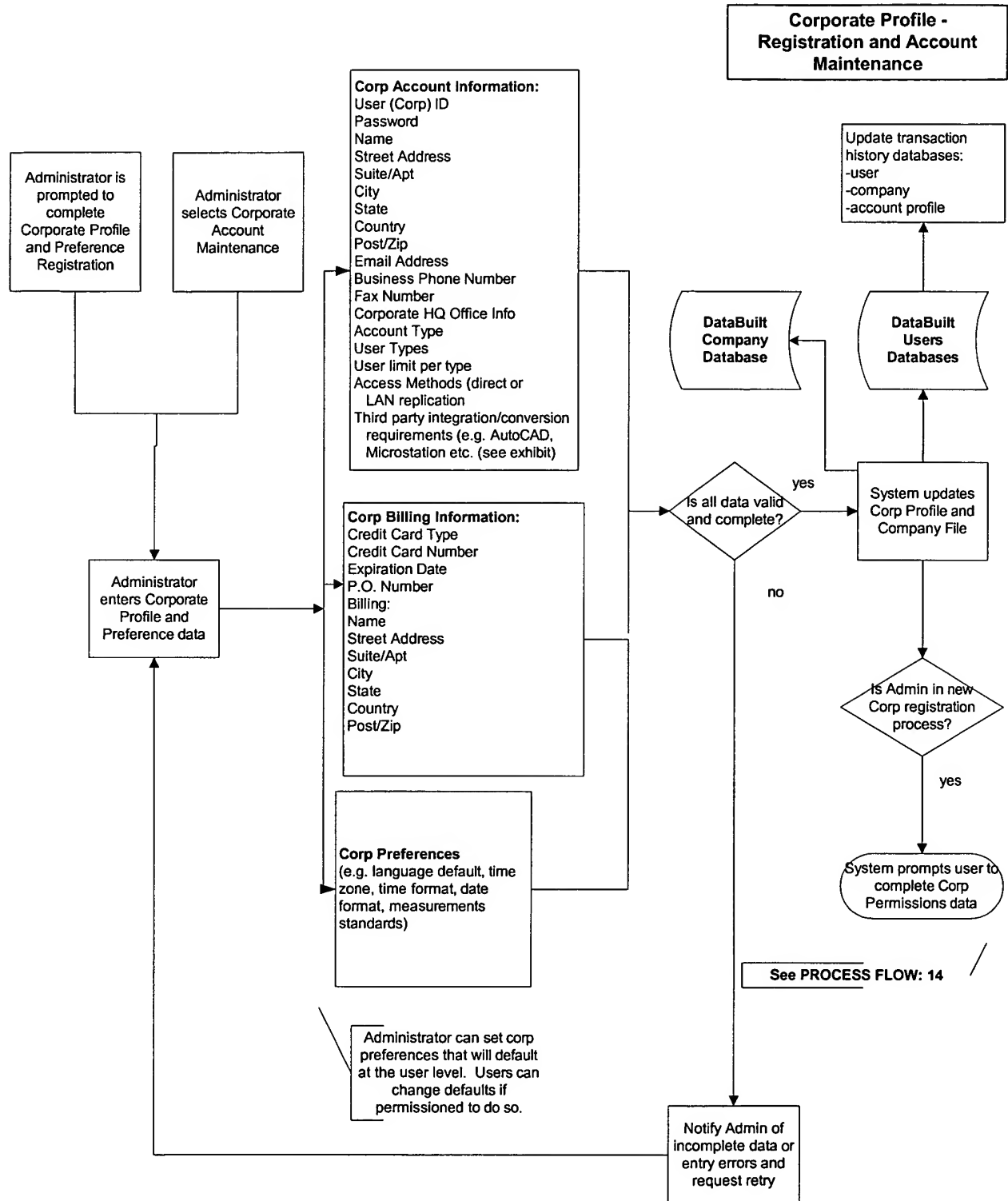
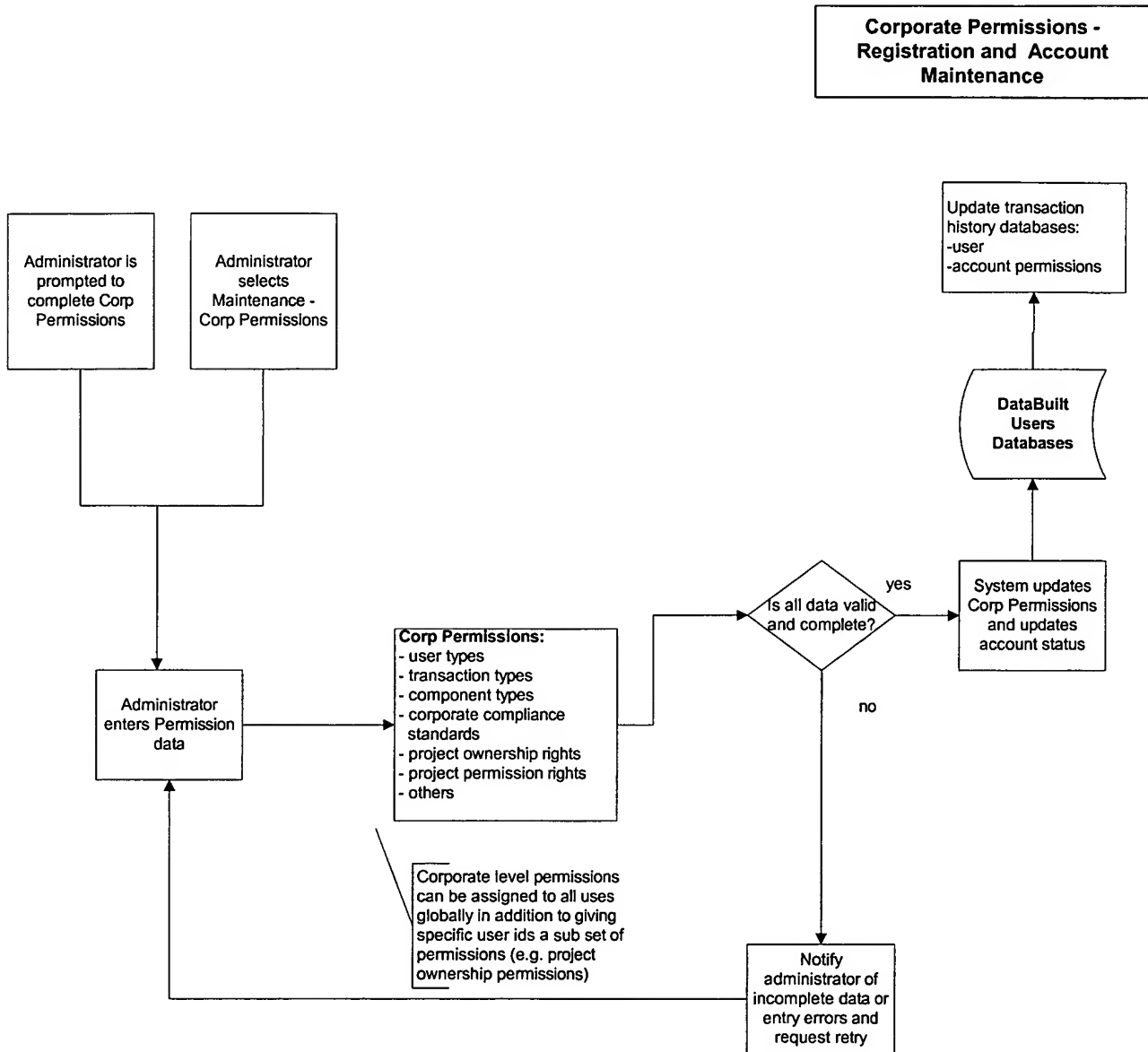
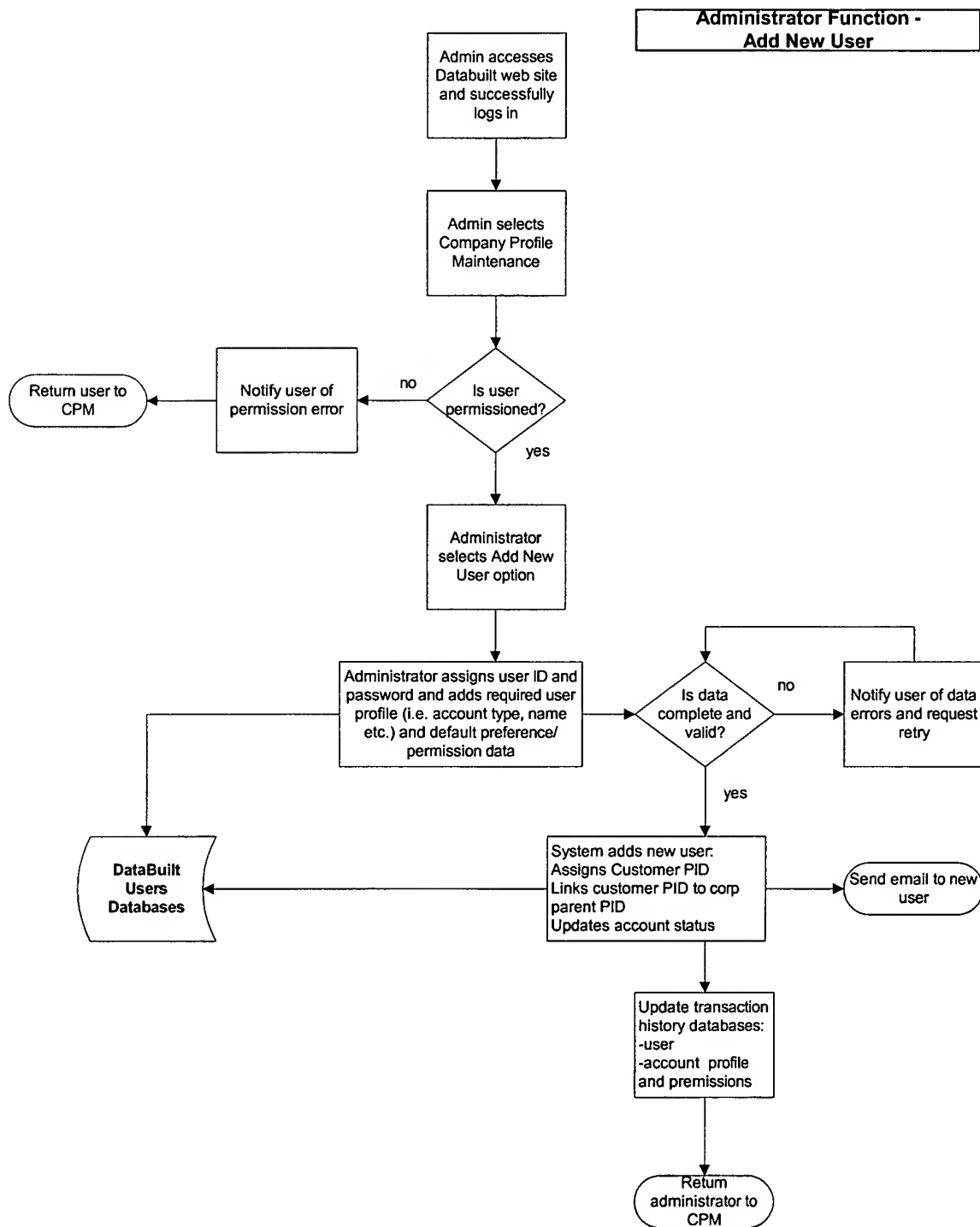


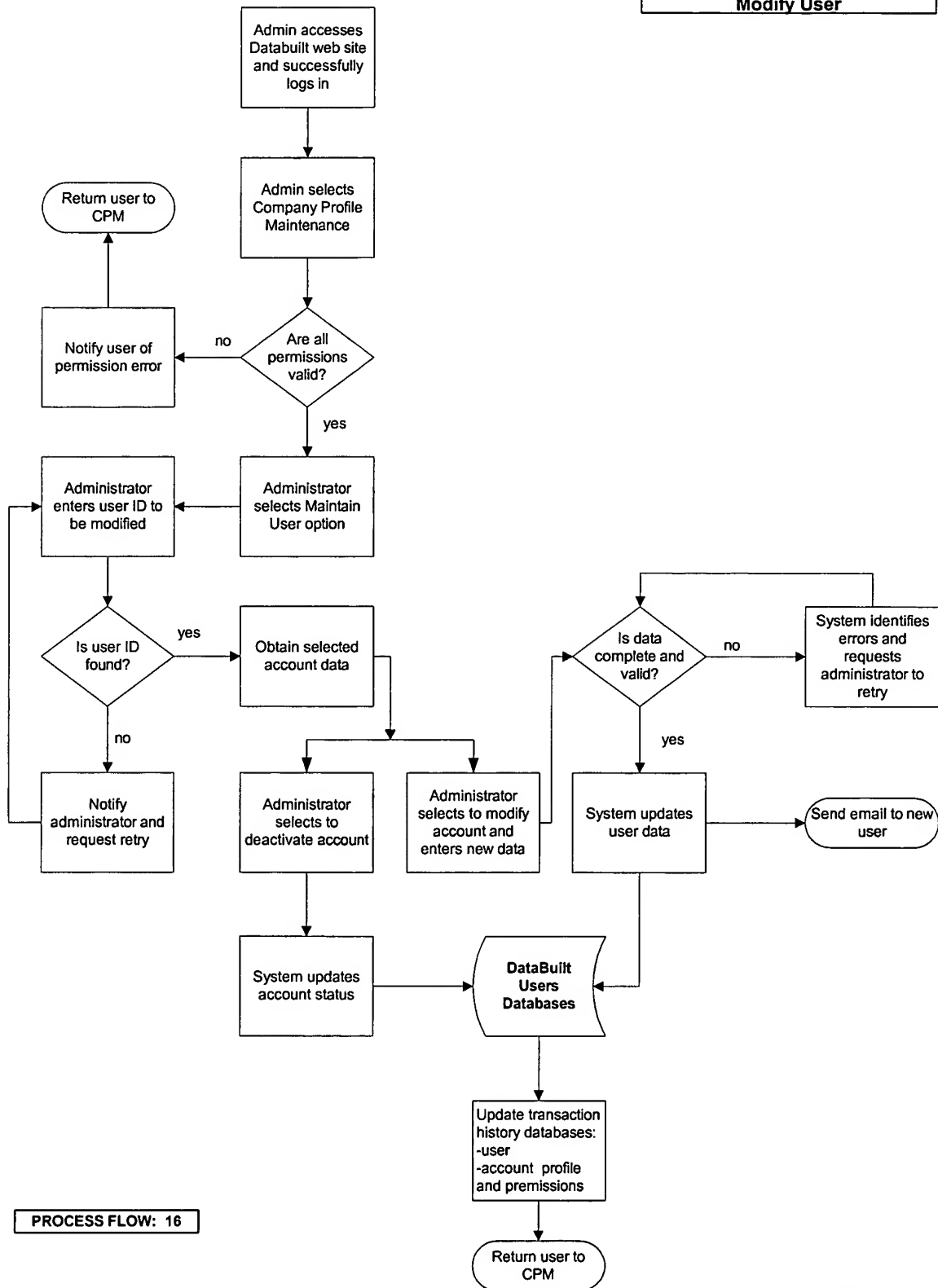
FIG. 21B

PROCESS FLOW: 13



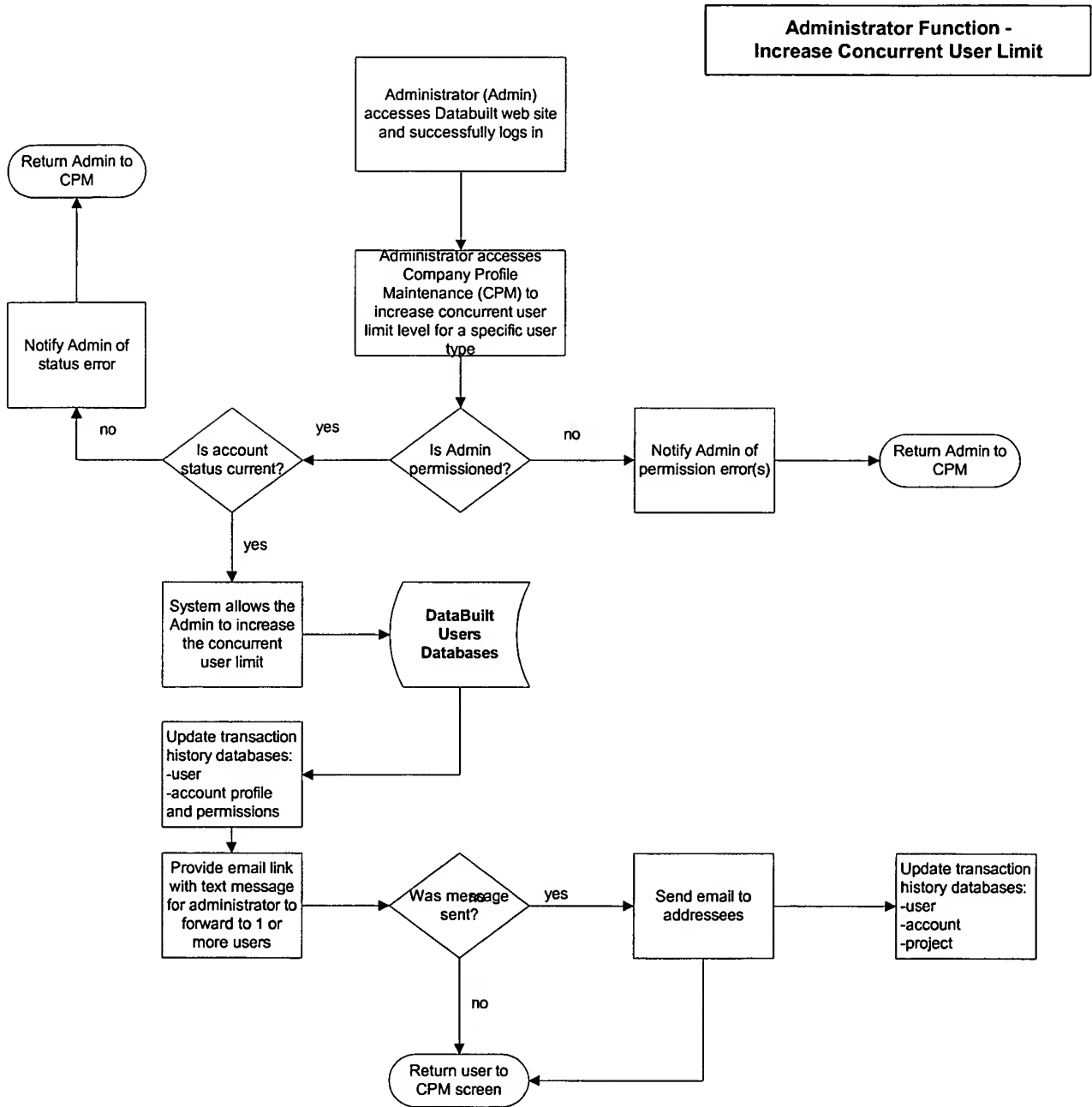


**Administrator Functions -  
Modify User**



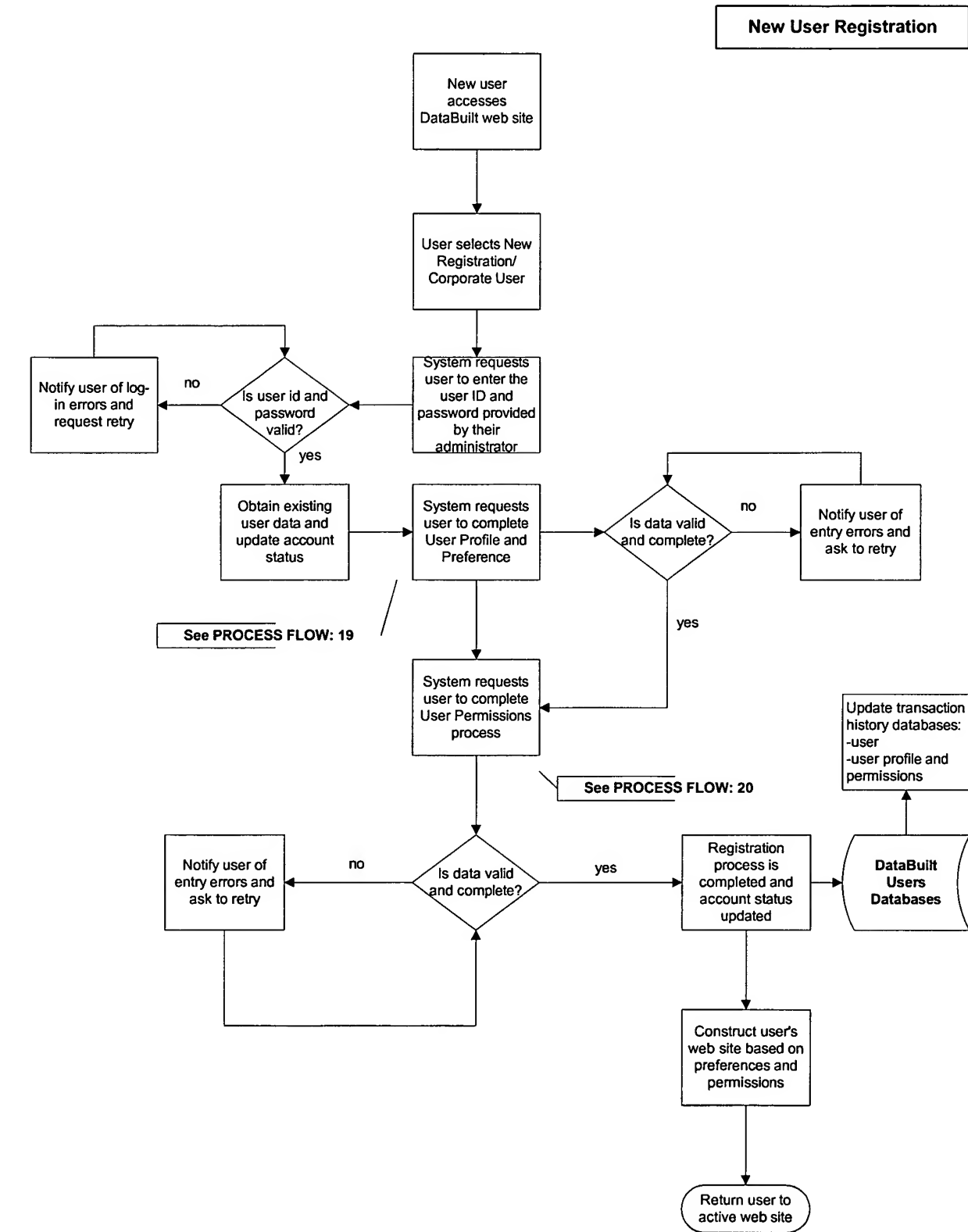
PROCESS FLOW: 16

**FIG. 21E**



PROCESS FLOW: 17

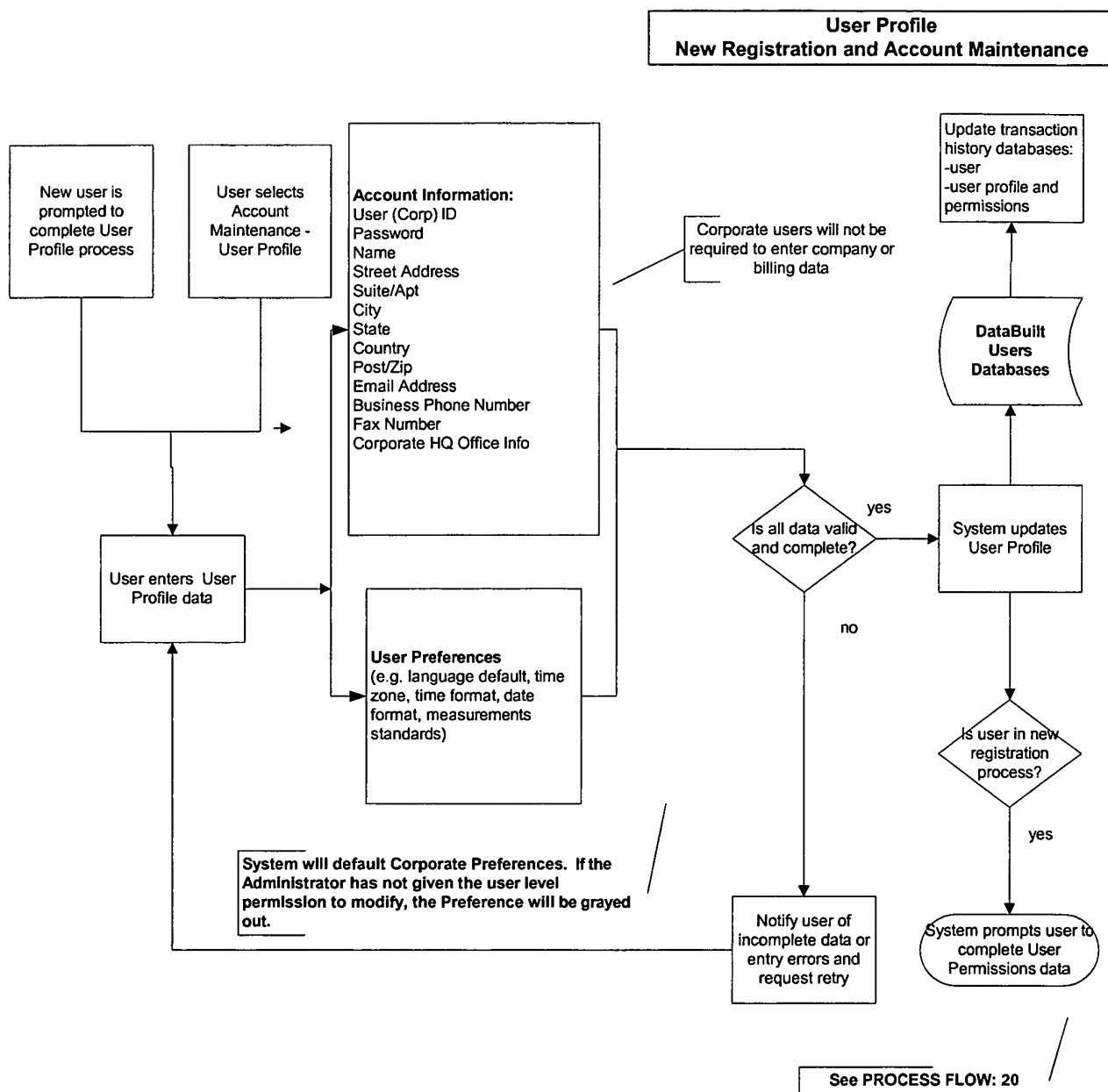
FIG. 21F



PROCESS FLOW: 18

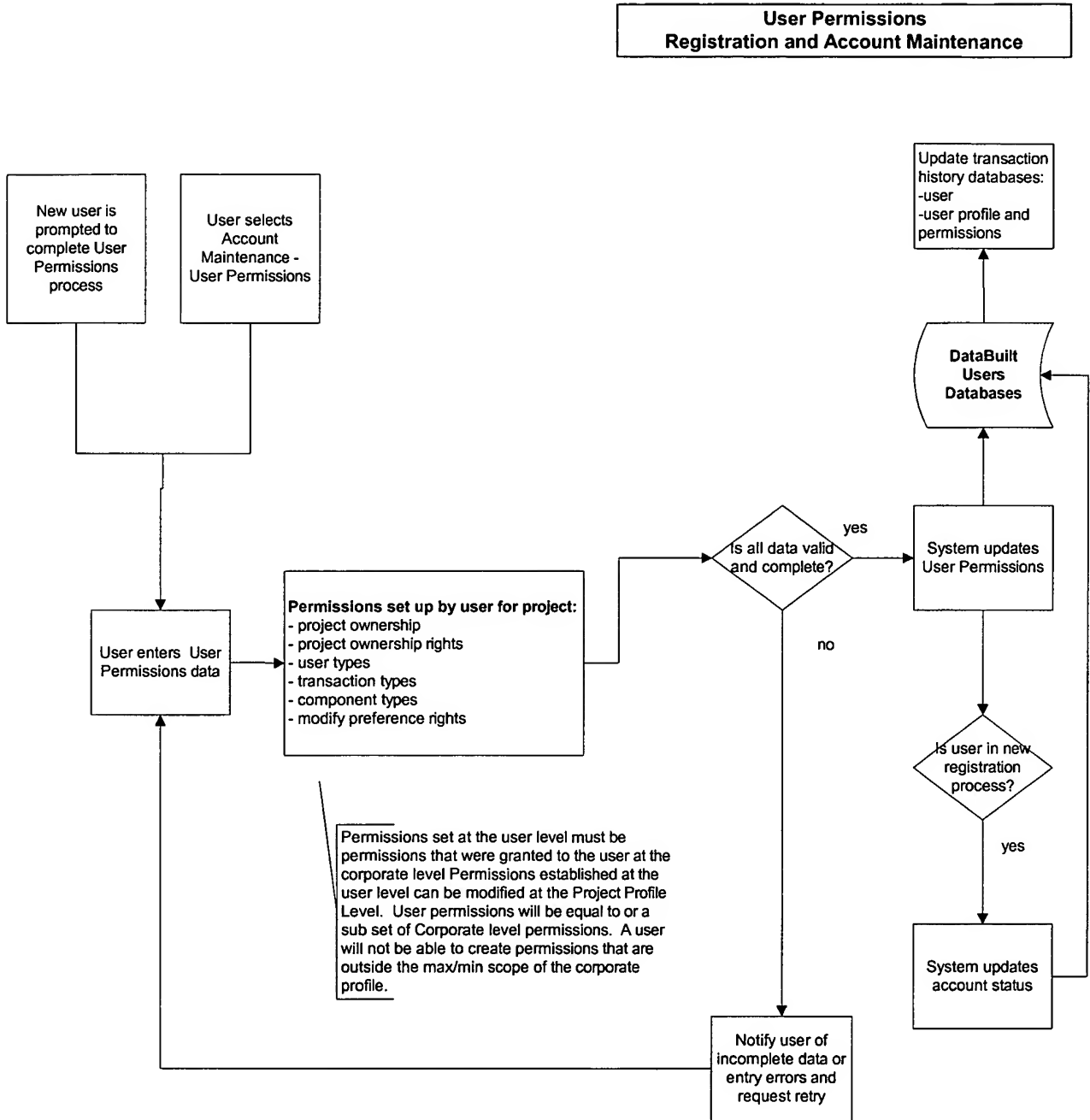
FIG. 21G

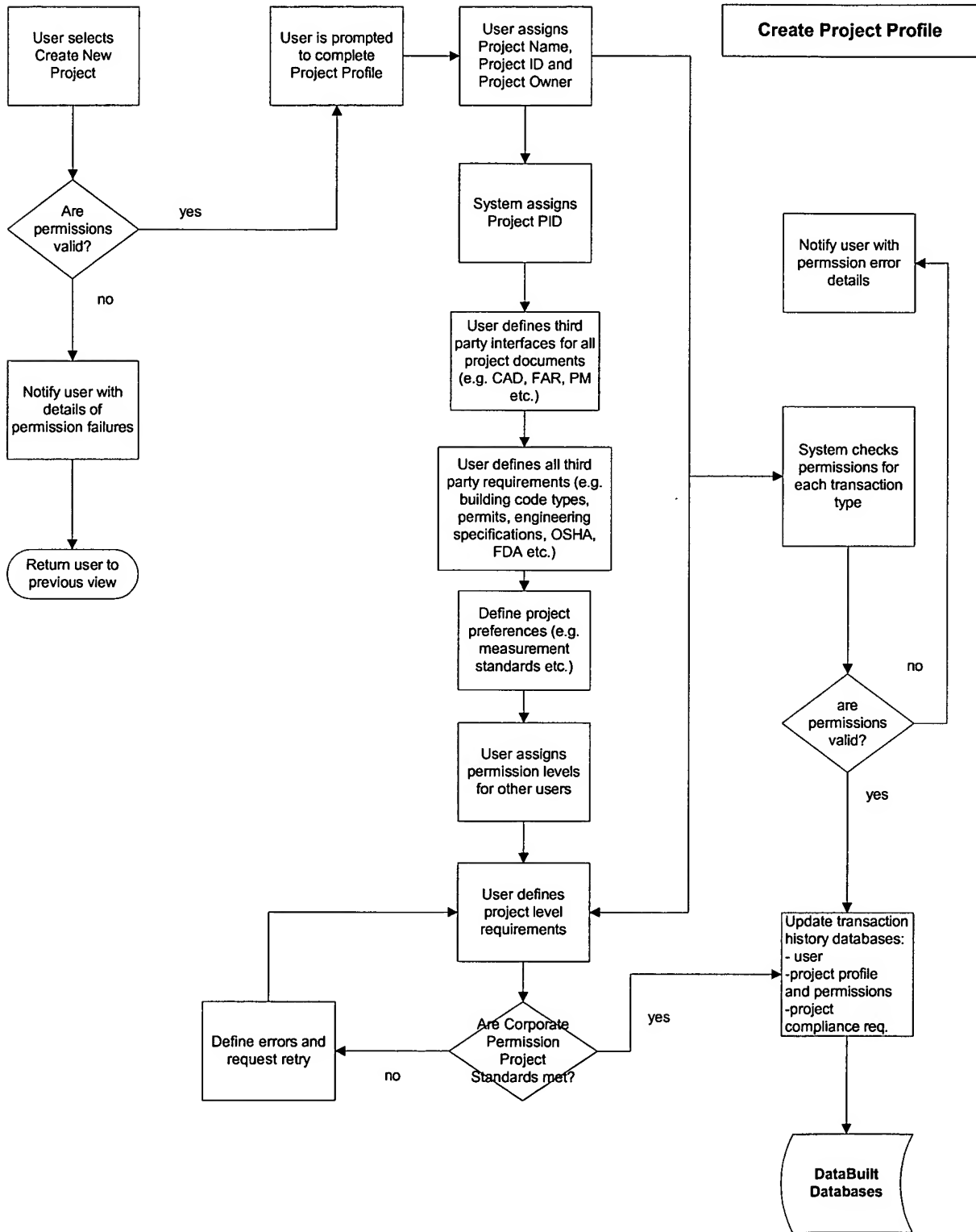




PROCESS FLOW: 19

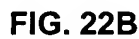
FIG. 21H





PROCESS FLOW: 21

FIG. 22A



10020856-121201

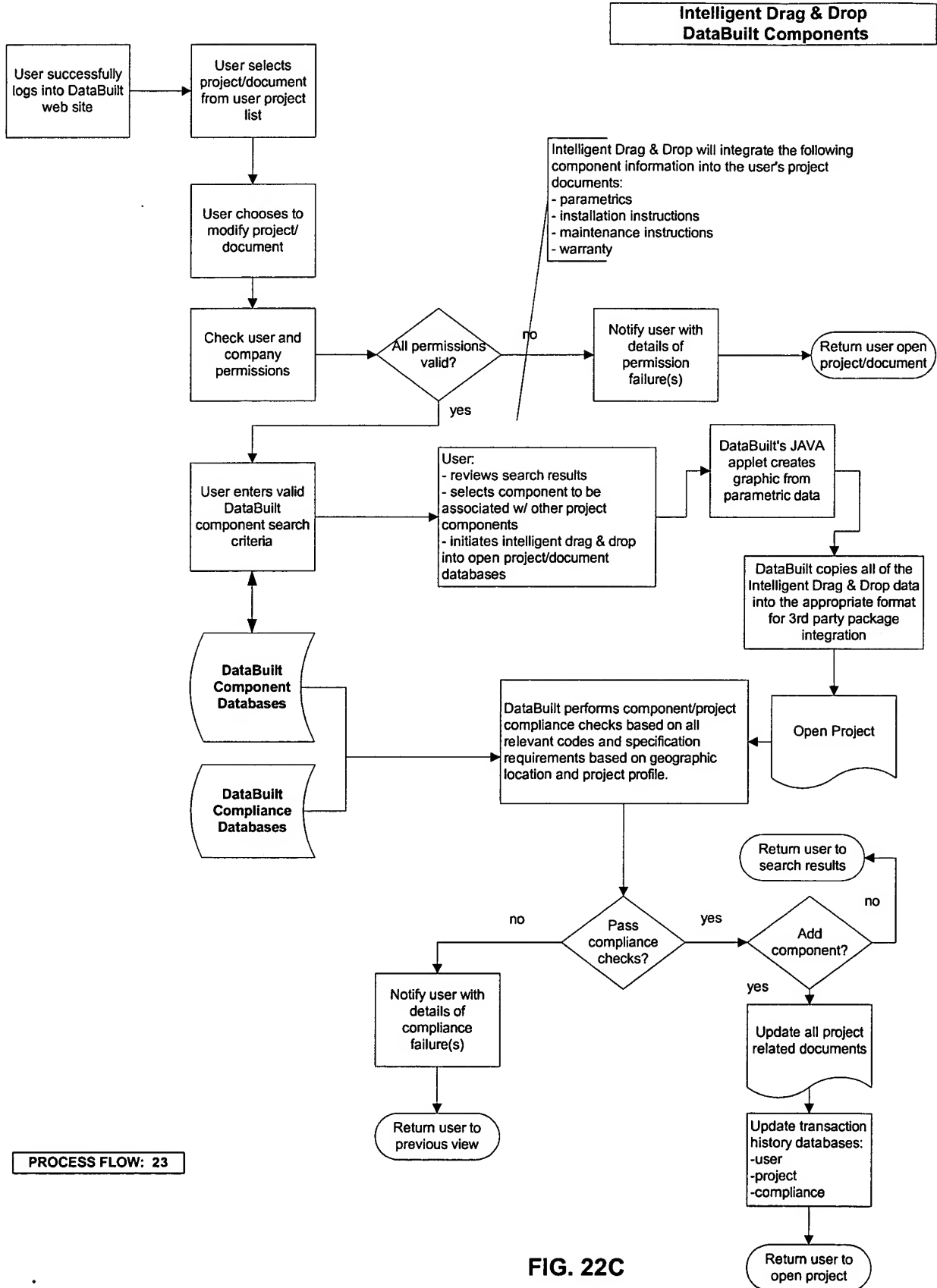
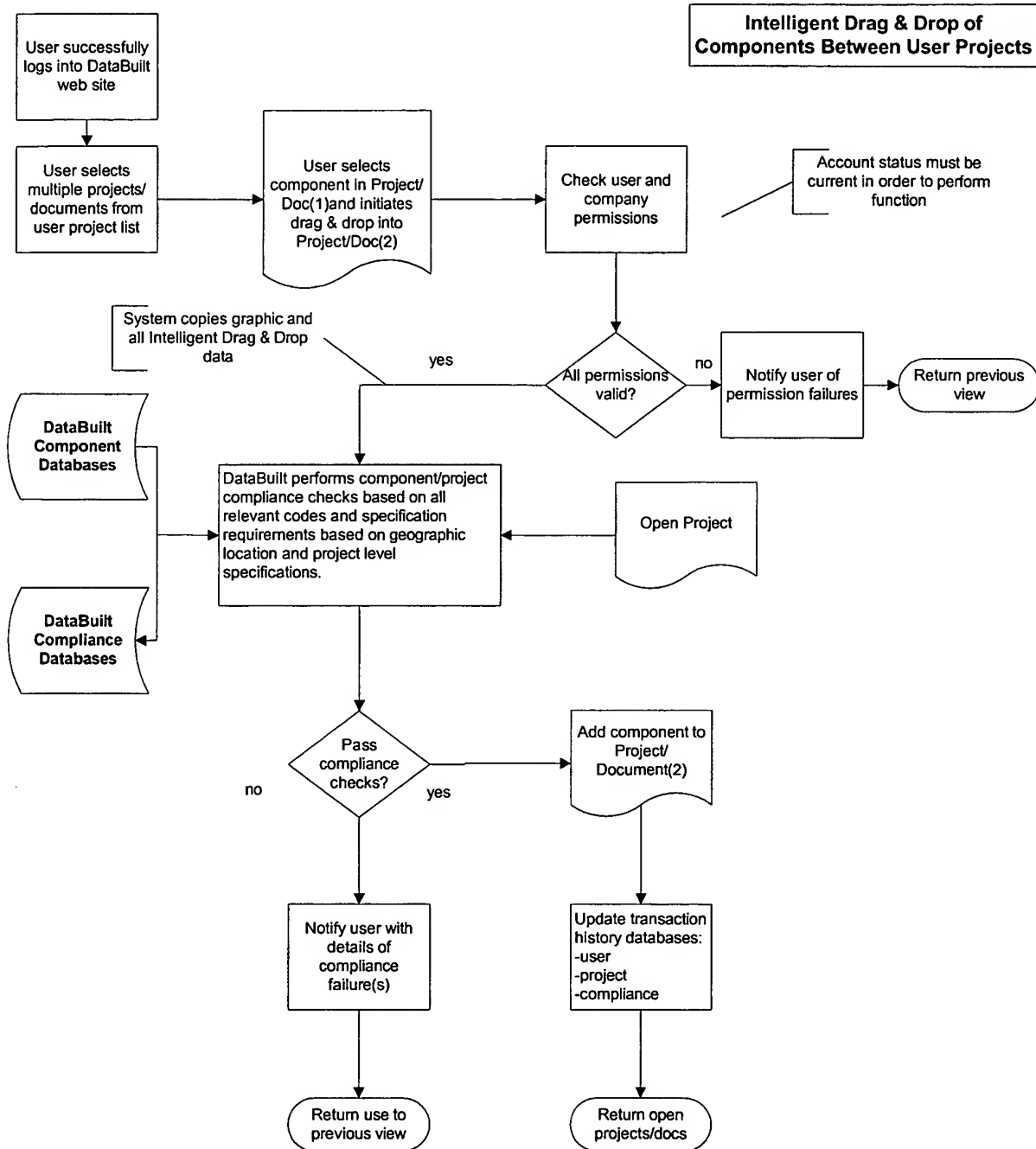
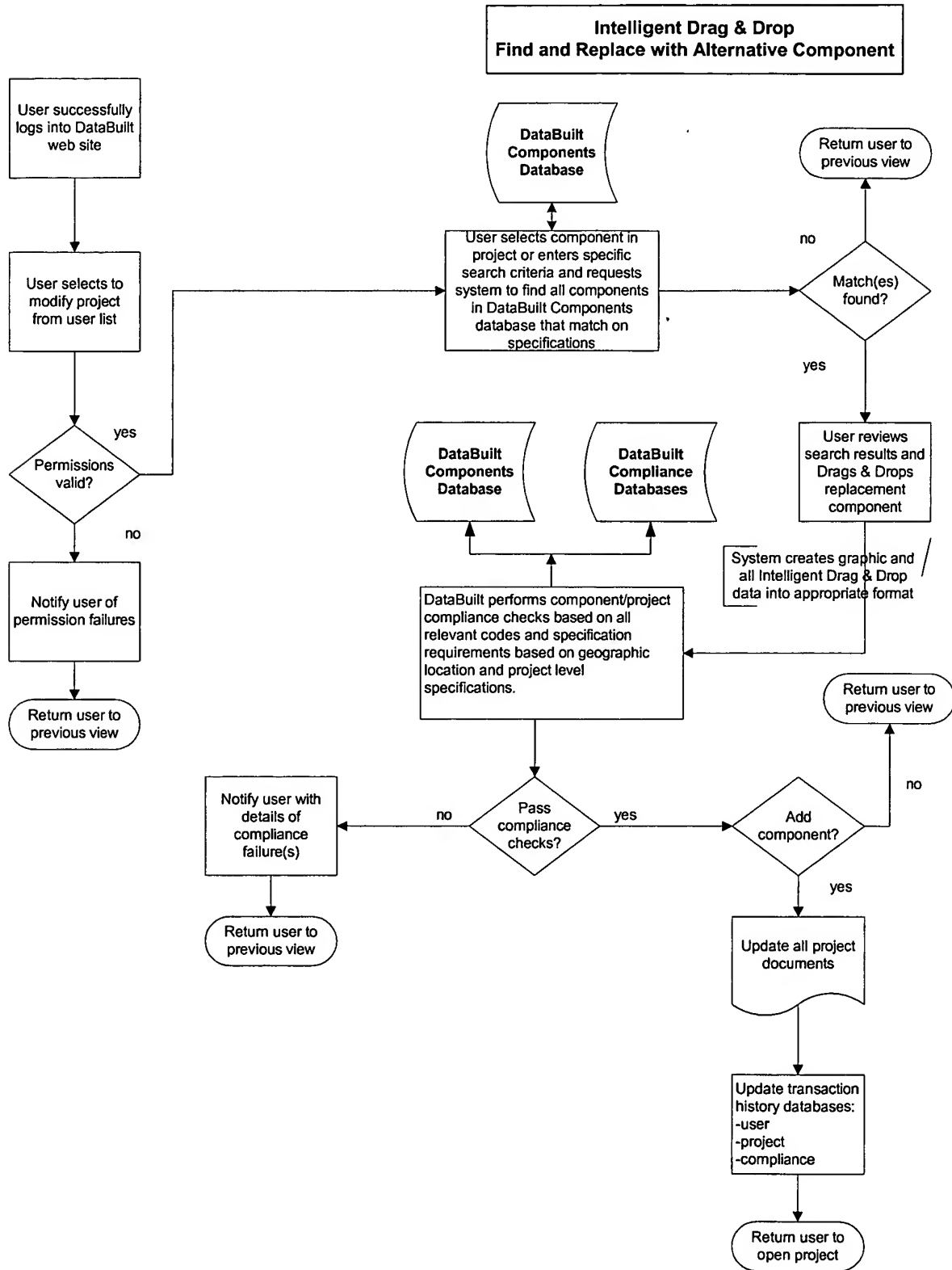


FIG. 22C

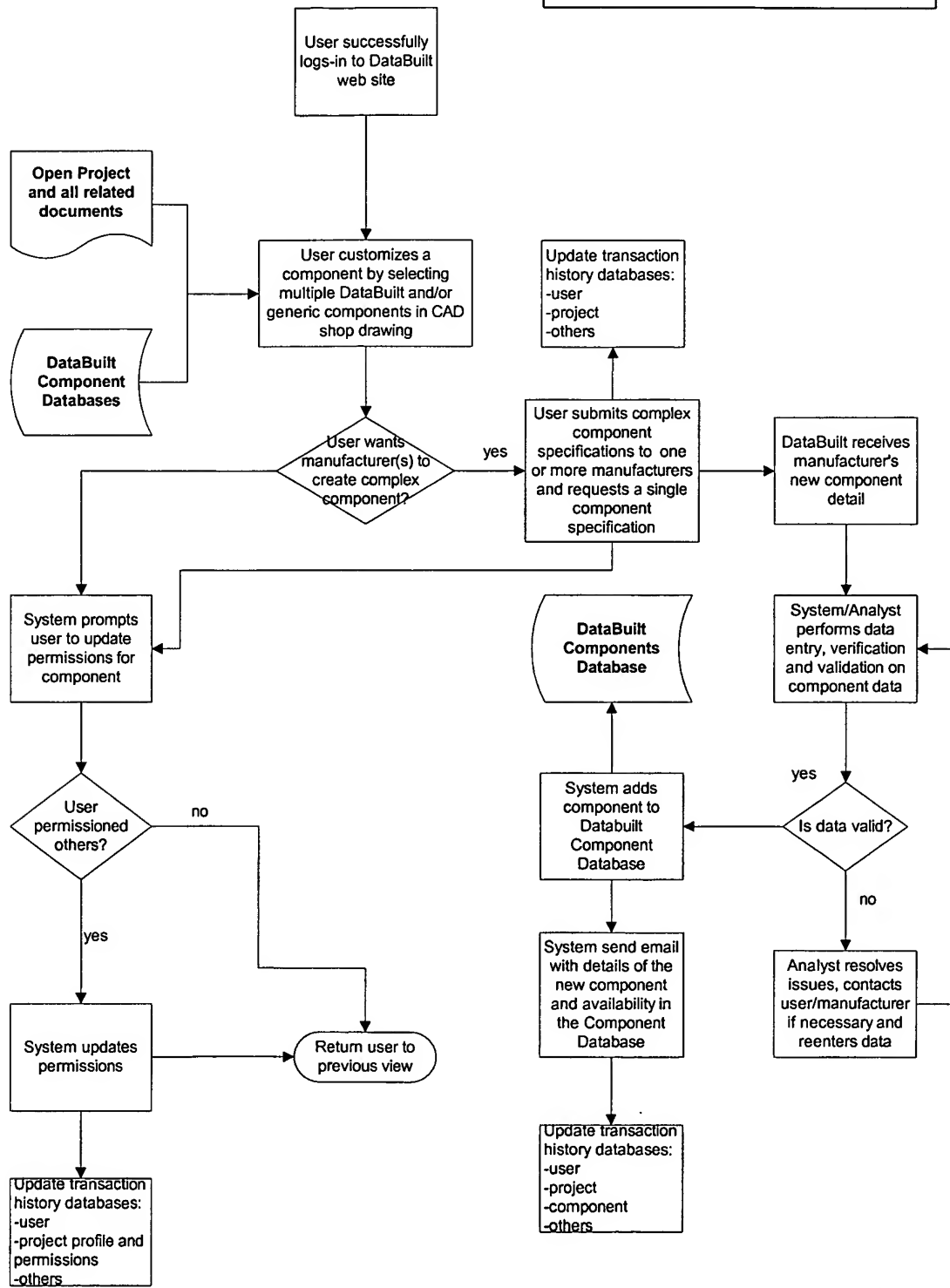




PROCESS FLOW: 25

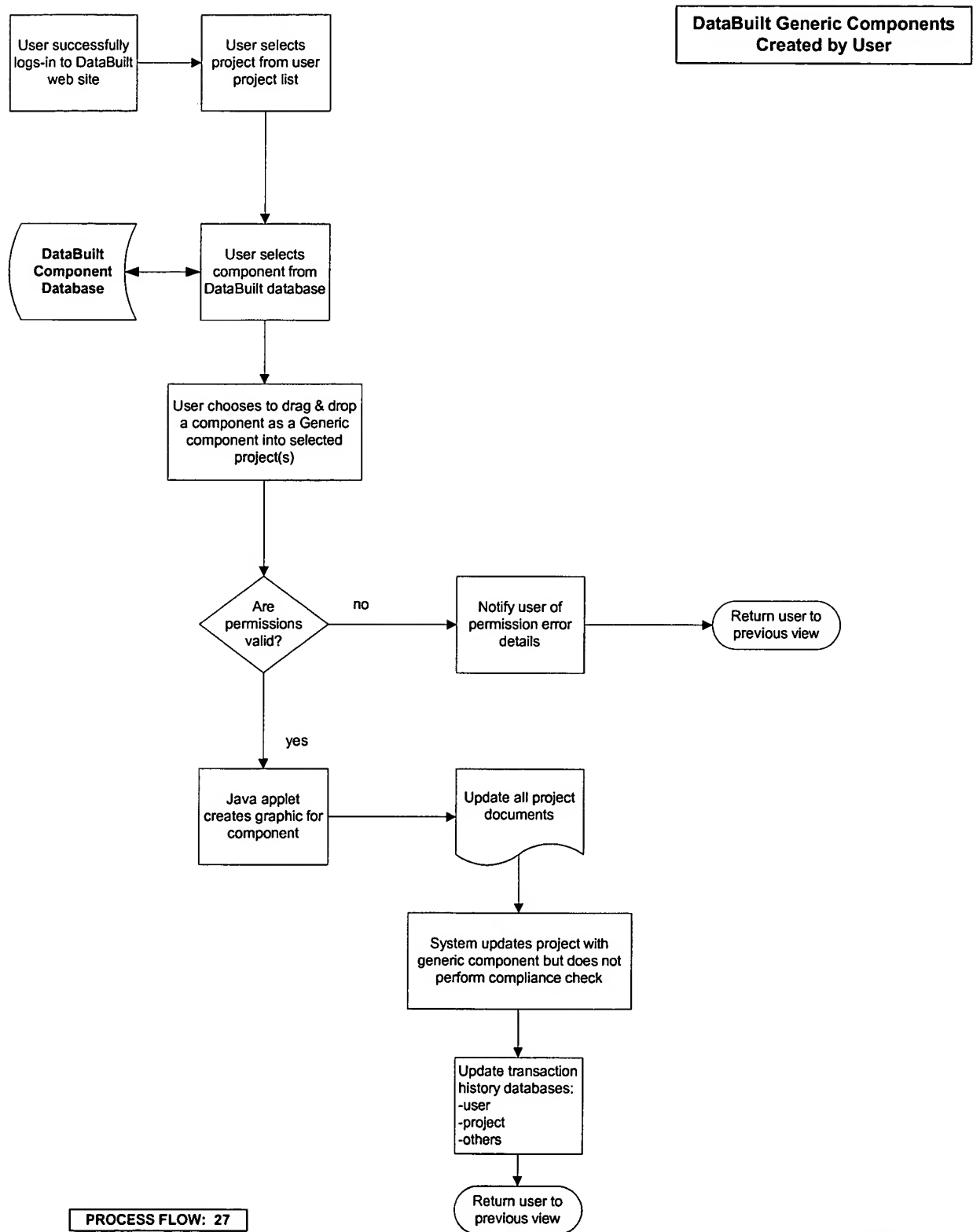
FIG. 22E

**DataBUILT Complex Components  
Created by User**



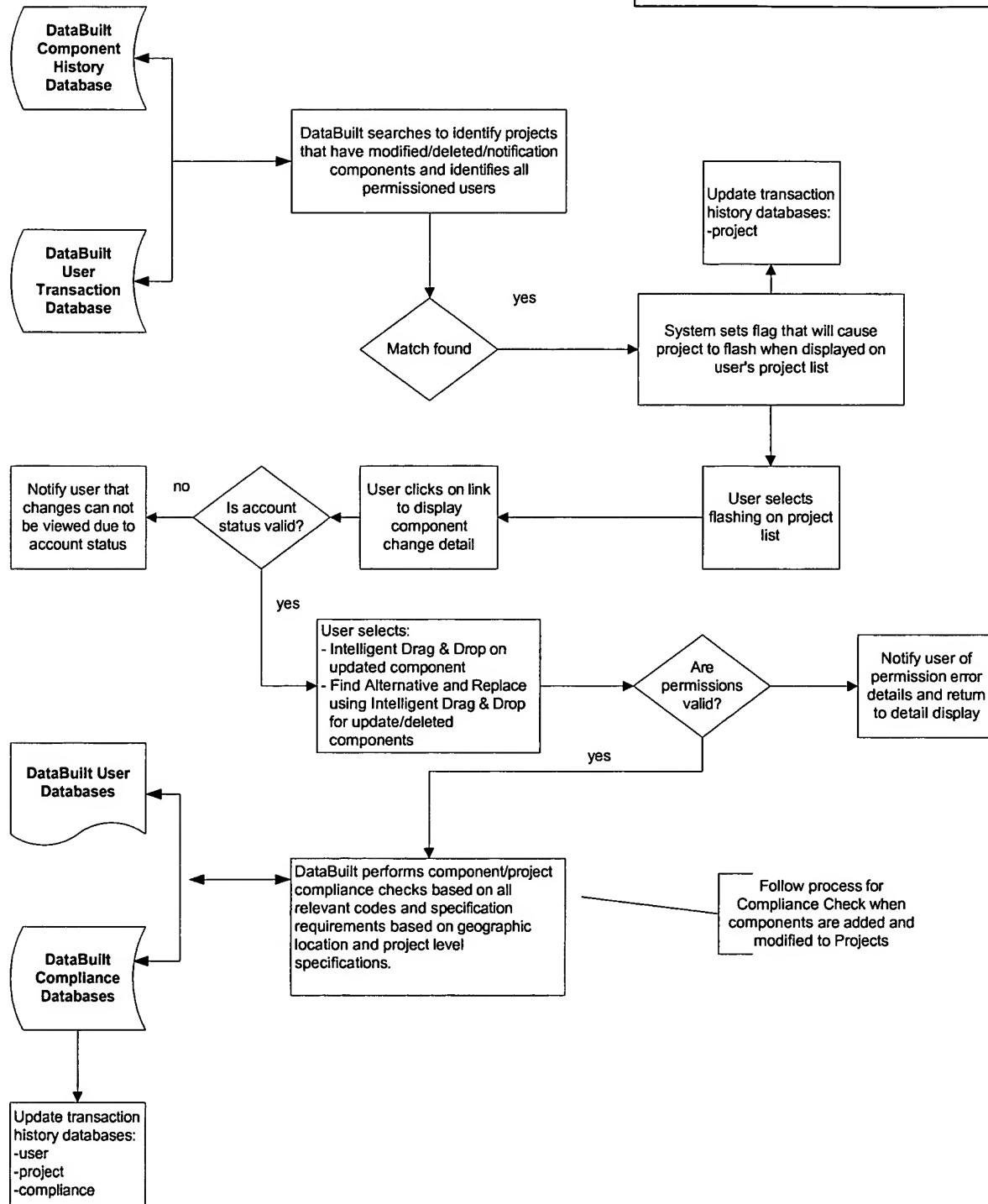
**FIG. 23A**





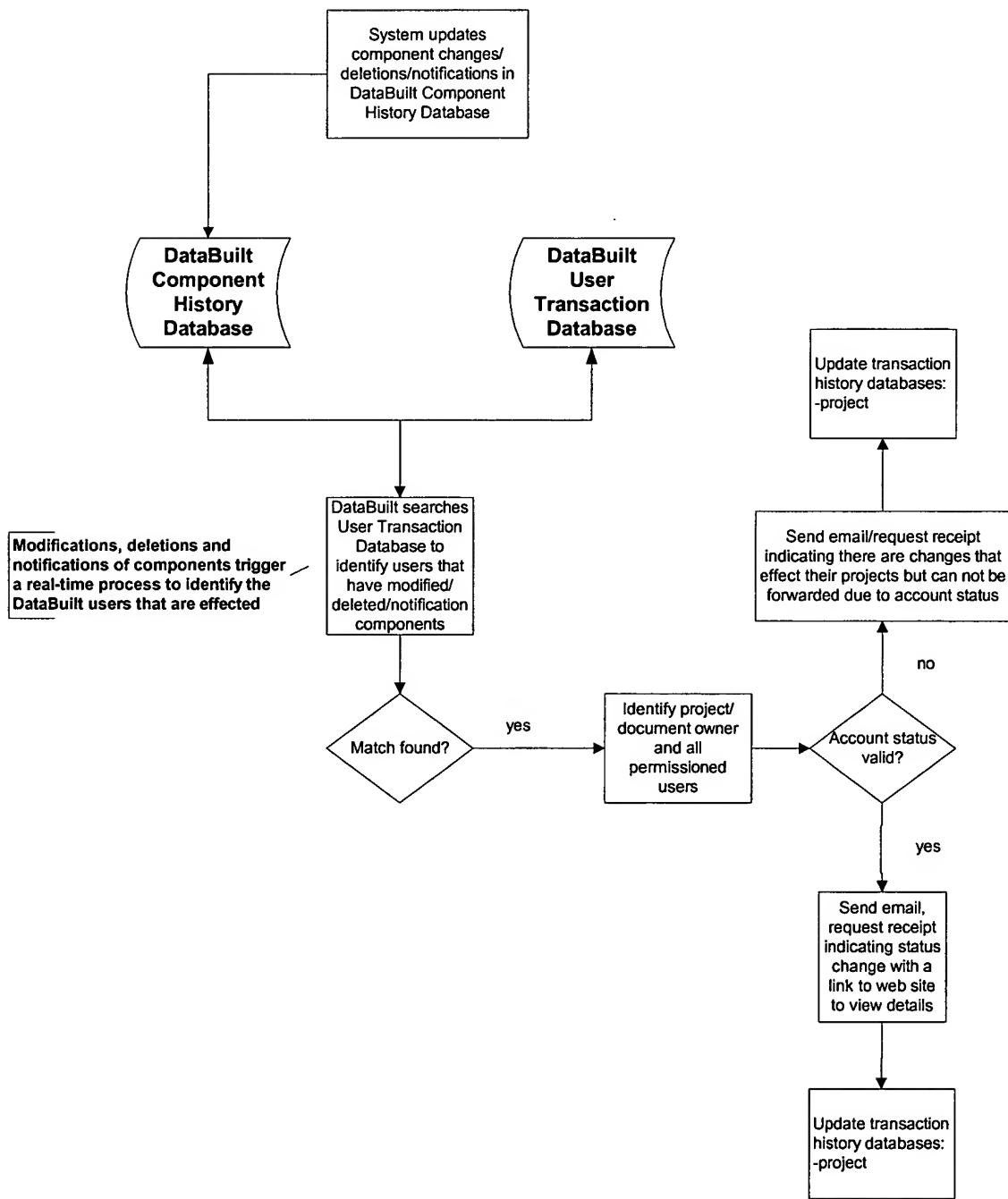
**FIG. 23B**

**DataBuilt Component Changes  
 Project Alert on User's Project List**



**FIG. 24A**

**DataBuilt Component Changes  
Project Alert by Email to Users**



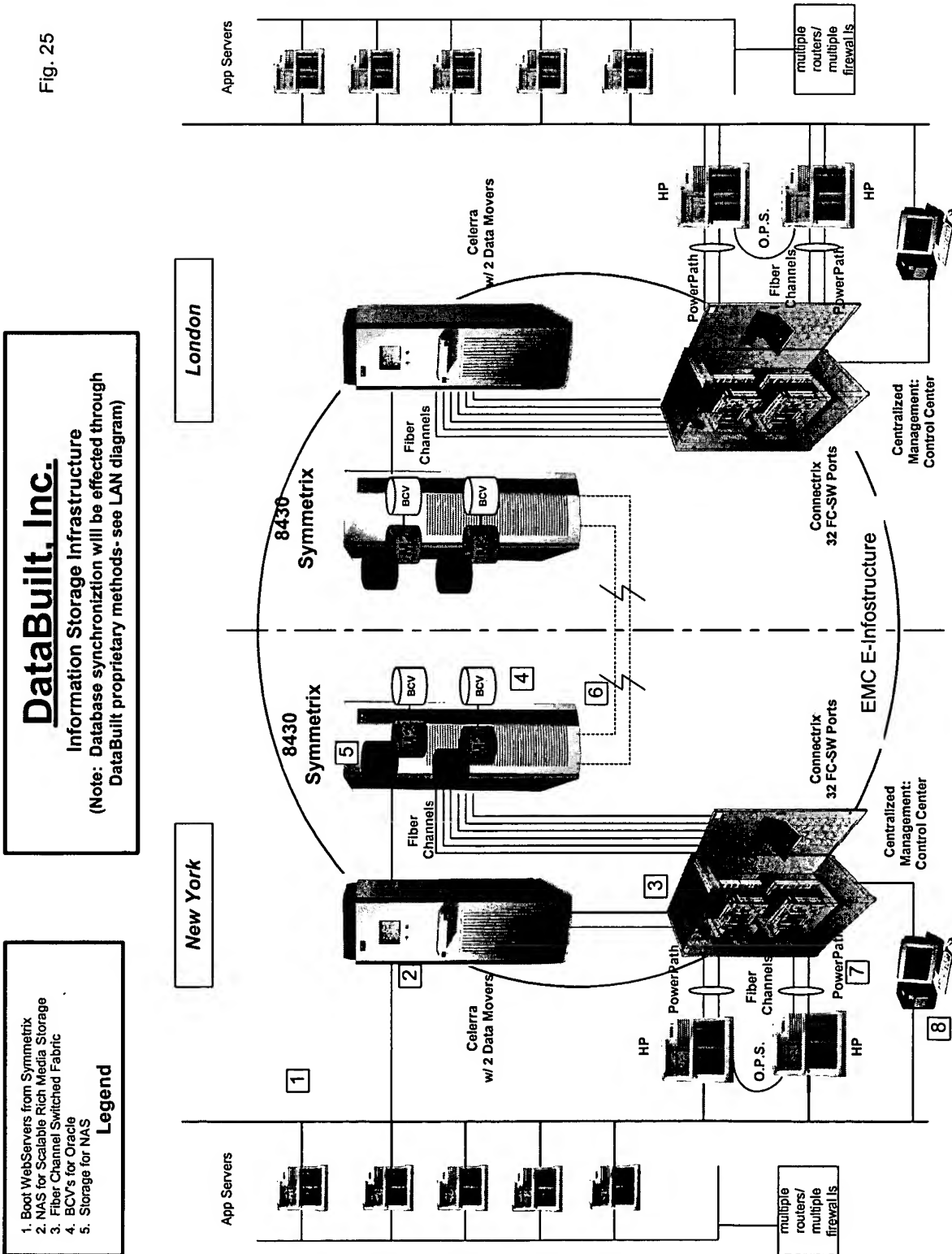
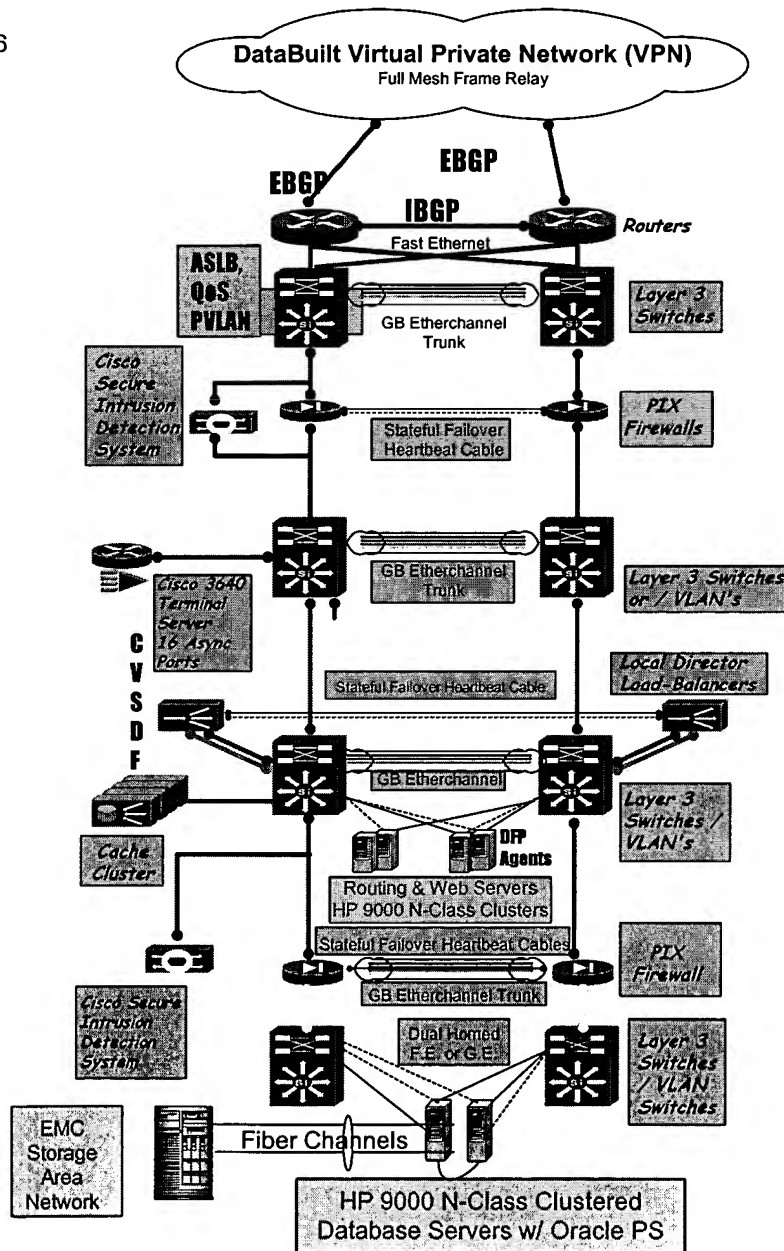


Fig. 25

## DataBuilt Data Center

Fig. 26



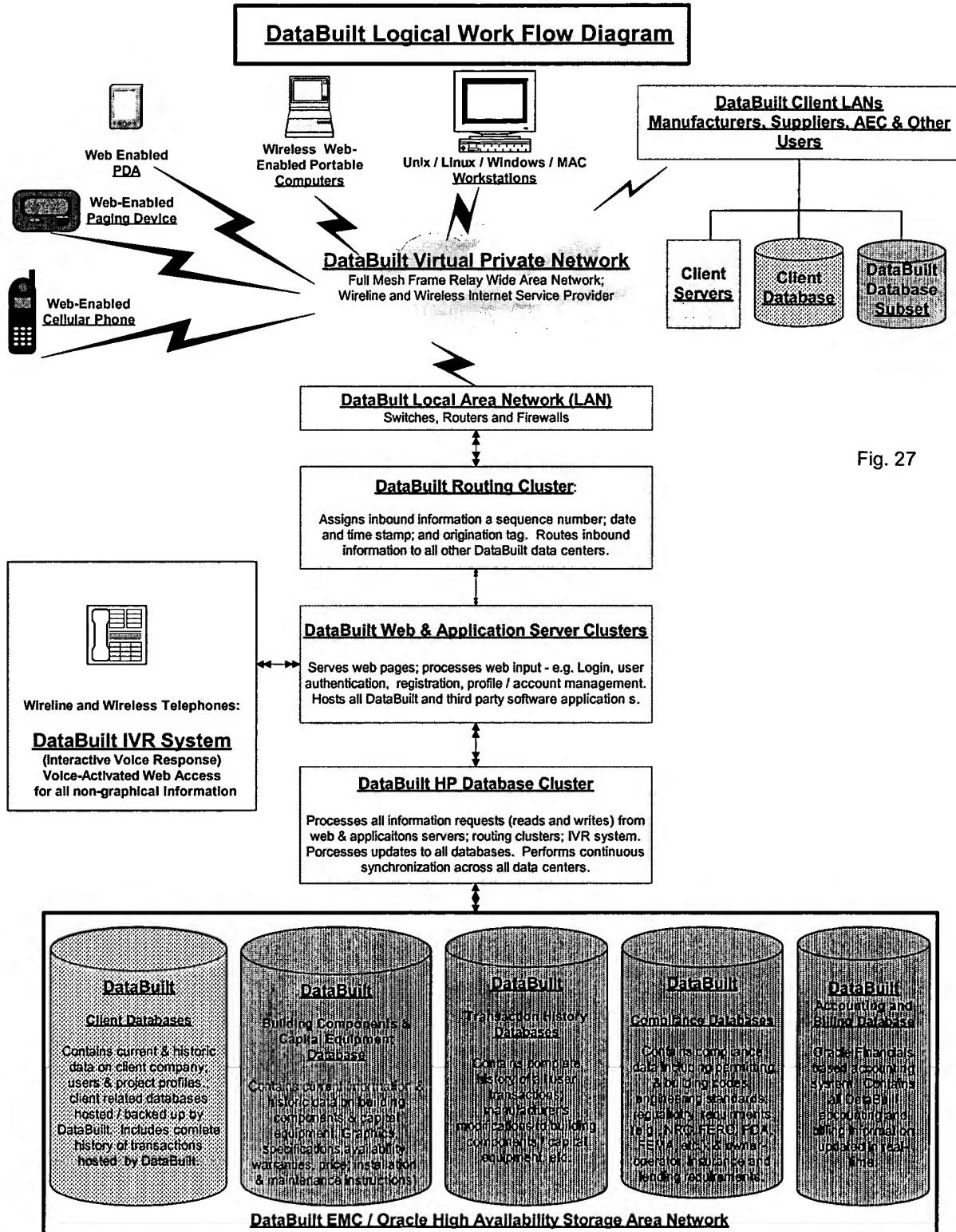


Fig. 27

